Journal and Field Notes Jame 1935 - Sep. 1935

Jamaica Haiti Dominican Republic

II-22-35 Sailed from M. M. at noon on Mixed Fruits. Toloa, Lound for Jamaica and South america. Equipment meludes a new motorcycle + sidecar packed with all collecting equipment, four alcohol tanks, etc.; short-wave radio receiving set; portable sypewriter; H.O. charts and maps. Tapers include letters from Smithsonian Institution, Van-american Union, consuls of luba, Haifi, Cominican Republic; Special passport with complimentary visas for Gr. Br. + B. W. 2, France and possessions, and Haiti. Collecting equipment includes beating netwith two entra frames, sweeping net + extra voile, vials, corks, six aspirators, siène, Jorceps, carpenter took, woton, First aid kit, gasoline langern, 6 volt - 110 s.c. converter for collecting light, extra storage battery and charger, etc. The party consists of myself and wife - Truth. VI- 25 -35 On clothing taken from a frink we found asingle

bed bug! Must have been picked up in Washingson as boat had first been reconclisioned and trunk came straight through by express.

VI- 26 - 35 Passed occasional floating bunches of sargassum weed,

aks numerous flying fish. At 3:15 sighted a

Sing point on horizon ahead. At 6:30 passed

Marassa Island on part, recognizing the lighthouse as what we had seen earlier. It is 2 by miles, 200 ft.

high and flat; of volcame origin, covered with quano; M.S. possession; should have some Staphs.

VI-27-35 Entered Kingston at 6 S.M. Thins of Fort Royal on port at the end of the seven mile promentory known as The Palisadoes. This is onergrown with low mangrones. On starboard side is Portland Bight which is an uninviting brushy hill, rather brown in color and unlike the mountains behind Kingston. Immigration authorities gave no frouble when we showed our Smithsonian letter, and lustoms passed us automatically after seeing a letter from the Colonial Secretary to U.S. Consul. lock wered with negroes, two wheel frucks, baggage, etc. Boys very anxious to seem to help so they tan ask for pay. Eustoms examined closely baggage of all negroes. 25 miles east of Kingston along wast. Occasional

> Sananas and wowners. Two large salt lakes separated from ocean by mangrone dunes. I freams mostly dry. I fairly recently burned area at 20 miles may be a good collecting place. This area seems to herather dry, - may be due to extended drought.

Moreal collecting yet. Two welnils in grape-nuts at she hotel, - diant keep shem. Seneral june-beetles around lights, also several small things around

an interesting hird frequents the lawn at the house. It is about the size of a small fowher, with long Soil, earried by the male at a sharp angle with

the body. Underneath it is a dull while throughout; with a bill like a rodin; and with white spots on the wings, some visible with wings closed. One wing is crossed over above the have of the tail, - the other projects down beneath. While searching for some sort of food in she grass, it hops about more faunkily shan a rodin, seemingly finding its food by sight rather Shan by hearing trequently between hope it raises the wings blightly or opens them fullonce or twice. Its rall is loud and clear, but not a song. Amakesalso a shortraucous cry.

Station 1. Hope Gardens, just outside of Kingston on the north. a 1600-aere government en perimental form, contain ing samples of most of the plants of the island. Part are landscaped, others cultivated or used for pasturage. Is situated next to the foothells att perpaps 200 feet elevation, and geto a little more rain than Kingston.

This farm is certain to be a fine tollering place. The government entomologist. Mh. W. A. Edwards and the Mirector of Ugriculture, Mr. Barnes, encloyed a welcome and free use of all facilities. Ulso assurance of right to collect on the farm and on all

Jamaica 5 Several posted vines with small red impa. Examined a freshly cut though head free enkeeting mulate flowers on the veranda afract a to hind Shings under bark or chips. No luck. fird which looks much like a very large Went to mouth of Hope Viner, seven miles north of lo humming bird. It honers in the same way Kingston. Wide river ho dom yielded only one and gets to the battom of the matter with its Caradid and one Staph in two hours rollerling. inch-and-a-half hill. Thewing movement Energthing near the roast is dry and hat. is slow enough to de almost visible, we hile along the riner saw two herono. They were She under side of the fail is the only part about the height of a night heron with smaller which departs from the dark brown rolor, bodies and carriage similar to dreat Blue Heron. it is somewhat regidish. One was shing blue-black throughout the Our lizard- friends have saken to croaking in other about equal marked with black and She evening. Neually four short croaks and white in irregular angular skots. Ahen silence for a moment. They seem to talk The hills some right down to the ocean along back and forth across the neranda. This section and remind me of the previously Mr. Edwards allowed me of enamine the small we noticed fact that most of the slopes are, exceptionally steep and appear to be held lection of insuls at the laboratory. In every in place chiefly by the negetation. Frequently Samily I looked at only one or two species were represented. Either & much of the maxerias a helpide is quite precipitous, quite imporhad been taken away or else there has never sible to climb under ordinary conditions. The narrow-bastomed valleys and steep-sided been any callecting done. Even the Economic Jamilies were very foorly represented. all the ravines also indicate, the youth of the Selmidt hours were lined with paraffine, - eni island - physiographically speaking. dently a non-varrosine bottom is difficult Cloug the road around the day is a group of Sofind in this damp climake. Many speabout swendy-fine convicts working in a cimens have been used to make up demonstra gravel pit. Elhout sen uniformed negroquardo Hon cases of pests, - all very crudely done. stand about but are armed only with stike.

In afternoon went back to Station 2 to callet Sta. 2. B. Lyrinids. They are quite abundant whirling about on the water, but the banks are oner hung by hushes so it's hard to earth other with a hand dipper. When once the pool is really disturbed they all hive to the bottom. However, I got swelve; also one back-swimmes There all many large spider-webs criss-crossed over the book with many wholased spiders. The dird on the lawn, mentioned on pages 2 and 3, has more of a call than I thought. It ian sing almost like a lanary though with less variety and less range. It's fail is lined with awhite stripe on each side above when spread. Tried sweeping along the road, near bananas, at Station & but got only a little more quantity than tin the Gardens. There were much less spiders. Found one small black leaf hopper with curved horns on the side of his head. Throughout the kastures on the & Hope Lardens are many mango frees. at this season Shey are covered with fruit and the ground beneath is spottedwith the fallen ones. One continually hears the plop plop of ones falling all around. They seem to ripen very rapidly cefter falling. Kuring the mange

season the natives practically line on the fruit which ign be had for merely the picking-up. all the roads and patho are strewn, with the bits and half easen parts. These are busily frequented by large yellow Vespid wasks and sometimes by a large yellow see. There are also numerous Witidulish and a very Sew Staphs, - including Tachyporinae. Mr. Barnett toldme last night that though she seasons here are ill-defined, the insiets, and As some extent the plants, are definitely and clearly periodic. Furthermore this is the season when insects are least abundant. I would have supposed that through many generations the broads would have some to overlap so that no periodicity would be noticed. It seems I was wrong, and that a return strip here in February and March arin actober would be very desirable to obtain a complete collection. Unts are exceedingly common here. They are mostly small wask ones of two or three different kinds, with occasionally a lot of smaller redones. I have collected none, under the theory that isolated specimens are practically worthless. When I some across nesto I will get a bottle full of each kind, trying Ao get all the castles and developmental stages.

Jamaica II.

One of the chief differences that I notice between Shis country and Panama is that I never see any insects on the plants. In Vanama there were always beetles, bugs, large flies, dragon flies, spiders etc. in conspicuous position on the plands along the kashs. Wout half of our sweeping was scooping in the particular specimens shat we rould see as ive walked glong. Here these large insects are entirely lacking so for and I seldom see any thing except butterflies and moths and wasps. Wragonflies are occasional and small flies thick sometimes. Tractically enery negro woman on the street or road has a load of some sort on her head. They seem to do all the carrying of growies, articles for sale, laundry, etc. and I saw a group of them carrying stones for road building up from the river bottoms, Two stones about eight inches square was the load, the top one having to be balanced by hand. Soft women and men incersant hawk their wares and services on the streets, moluding fruits & regetables, fish, line, poultry, receream, etc., etc., fire-wood. Ine never seen them make any sales!

Islanded and this morning with somplete outfill for tope Gardens but was raught in the rain. In the sen minutes coming home I got socked through. The day seems to be given up to intermident showers. If it lears off at all this eneming I shall try a little light collecting. This is the first rain in several weeks.

The light left out from 7:00 to 8:15 P.M. abrached nothing but small moths, while one June-deetle same to the porch light and was captured! The light stopped, I don't know why. Hope it didn't durn out a fuse.

Spent the day pisiting the Boxelli at the large

laymanas Estate, adout \$ 10 miles west of kings fon on the Spanish Town Road. Osear, a tasei driner took us out for eight shillings live gave him fen). On the way we passed the a particularly fine engample of cotton free. The trunk must

she grouped up swenty feet are large flying bufress roots, making the base of the street

Swendy-fine or thirty feet in diameter. The branches start at about thefully feet and enfend horizon tally for theirly feet or so.

This is apparently a particularly large stree, Shough we saw many others almost as large.

Photo#3

Caymanas Estates, Inc. is a large company formed by the amalgamation of sin or eight planta-Tions under one manager, Mr. Bonell, and a board of struskees. The former owners now own shares but control is held by a very large landhalder, Mr. Crum-Ewing. The Estates are primarily for sugarcane gracing but has many acres in bananas. They must cover at least a shousand acres and employsene. ral hundred men. Urather small sugar mill is in operation but a new and modern mill is being constructed to replace it. We went to the Mew Jackory Lat where we were met by Miss Marjorie Bonell. We looked over the new plant, met Mr. Bonell, and then drone up to the pause on a hill overlooking the Estables for hunch with Mrs. Borell & Marjorie. about the house we saw agave plants (magay) in floom and akoa fine bush of croton. This has spear-shaped leanes about sin wickes long and brelliantly colored with green yellow, achre, and reds. The hill on which is the house is of the volcanic rock, very resicular and apparently not extrusine. After lunch Marjorie drone us down to the old mill and showld us through it. Then

we drove around Ahrough the same fields and banana walks in search for likely sports for Judure collecting. We saw care fields of all ages from newly planted to harvested and ellared. The fields are planted from with in row feelween the previous ones. The lotter are then plowed under In 12 to 18 months the care is sin to den feet high and ready to harvest. after the stalks are not off near she ground, the refuse and studdle is Surned. The cane then someoup again from the sumeroods. The fields are so dense when mature as to be impenetrable except by custing ones way with a machele. The banana walks seem too well kept for good collecting, - the undergrowth is kept down and all refuse plawed under. We spoked several areas where a few plants have escaped along the edges and where other plants have been allowed to thrive. We forded the Vio Colere and noticed some promising - looking spaks along it after returning to the house for sea we dropped Mariarie at the mill and Mrs. Bovell took us eastwoord along a road at the edge of the hills. It winds

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around between bush and marshland or pasture, with a few formands, and wowamits. A would be good for frying bearing and swelking. In the fields we gaw many of The Jamaica Blackkirds, about the size of a maghie and with a think wirned upper hill. On the hill we saw many of the small fround dones, similar to space seen in to be Bardens, swo Yellow Bellies - a larger done, but didn't see any Blue Piglons. In the fields we saw also one Jamaica lanary, trilliant yellow throughout and larger than an ordryary canary. Mear the Works Mrs. Bouell showed up a large pile of somes, and seneral large pile of wwant husks. Through the entire day we saw few insuets and no deedles, Shough seneral places tooked like good sports for collecting later on. Mosquitoes were very sad along the Vio loose, but not in evidence elsewhere. The bird which I have described from the lawn here is a mightingale. I underrated its song at first, but still notice the short range. They seem to be quite dhundant: Large huzzards are common everywhere searing around, and cleaning up all carrion. They all called here irous.

To Hope Gardens in the morning to open a small I Sta. I. G. Sermitarium on a hill. Found all stages except Shequeen, but no guesto. A large minder of Sing black and seemed to be swarming in one of the funnels and over the egg masses. also some large red and (looking like leaf-cut Lingants) were at one wire of the next as if a Hacking it. Found also a roben palm stem with a nest of the large red anto again could find no guesto. Arubaish heapmith piles of rosting mangaes showed lasto of Mixidulis but no stapho. all the sweeping along a park yielded no beet les and little else. Istopped at the laboratory to see Mr. Edwards. He gade me a half gallon of alrohol, and invislet us to ride to Morant Bay this afternoon. This is a nice ride, - 30 miles, but the sountry is pretty dry. Stopped to inspect some projects on dying rocoanut pahus. The sail is very poor but ultivation or fertilization makes a great deal of difference. Found a lot of ungriapods under stones and logs but not much else. Stopped along the heach to search under rublish. Only a very small amount of secured and no insects were found. Hadn't gone prepared for collecting.

VII-11-35 Station 5. about 3 miles evert of Morant Bay, in a Station 6. Caymanas Estagles, Inc., 7 to 9 miles west of Kingston on Spanish Town Road. Banana, Angarcane, pasque, march, river roado, swampo, iowanies and barren hills. In A.M. Aried sweeping and hearing a long The Violotre plar cane and Sananao. Found only a little more than previously. Then fried same along east dank of Ferry River, Sinding quite a series of a green and red thrysomelia and a few weenils. This is considered the same lowdity and is the heat I've found so far. In P.M. went to see fimerican Consul, and to get a package without paying duty. It worked. VII-12-35 Krone over the mountains foward Annoto Bay. At Stoney Hill crossed the divide and then fal-Station T. # Wag Water River. 18 miles north of Kings fon on road to amothe Bay. a steek-walled valley with grass and brush mingled with frees, cane, and bagranas. On a fallen tree found a number of small jungi. These were full of Staphy hinds. There were

at least two species in quantity and perhaps four or fine in all. This is the dest lot of Stocks Ine taken yet. Fastenening I found one small one flying on the neranda. This afternoon Mr. Edwards invited us to go with him by launch to the Palisadoes at the auter edge of the harbor. Le gane me a copy of "Some fails happes in Jamaria, Sheir origin, formation, and agricultural relaseonships by V. Hardy & H. H. Croucher. It contains frief discussions of the geological formations, a rough geologie map, a rainfall make, etc. etc. White limestone predominates in the island, with considerable granted areas of alluvium (old) and conglomerades. Fractially no rocks older than Eretaceous occur at surface, though there are Valeozoic granophyres, serpentine, actists, amphibiolites and martiles. Some metamorphics were formed in early Crefaceous. The Blue Mountain Jeries is Eocene, and sousists of warse winglomerates (derived) from igneous martial), sandstones, shales, voleance Lavas, and suffe. The mountains worth of Kingston are chiefly formed by a large laccolide of forphyry. Throughout the islandare small exposures of a righty forsible former Jellow Linestone the landridge Reds. The Blue Mountain series is considerably solded by terhang

mountain-building monements. The White Timestone Series is Africa. It is over 2000 feet in Shickness and roners three-fourtho of the surface of the island. They are for aminiferation origin and are said to have been laid hown in very deep water. Trainage in the white limentone areas is largely affected by underground streams About flow through Justices and Link holes into carerno and sufferranean summelo. The lockpit loungry is so talled from the pits and hollows common there. The Coastal Series is fourth. (The White Timestone Series is Upper Eocene and Oligocene). It is Miscene, Phiscene, and Pleistocene. Included are white and bull marlo and limestones, rost sandstones, loose sands, warre granels, and iong lomerales, also calegreous shales (rich in Miscerre fassels). The chief fopographical features are () the interior mountain masses (Blue Mrs., east-west in lastern Shird; Clarendon + Jerusalem MAs. Jarther west; together forming a central mountain chain with lateral ridges, particularly to the south); (2) an elevated limes tone plateau; (3) the wastaf cliffs; and (1) a series of low, flat, wastal plains. The plateau region occupies over four fifthe of she area, rising to a height of 3000 feet. The

mountains a fain over 7000 feet. The roastal cliffs show several services or bunches, at elewations ranging between roo and 2100 feet. The geologic series seems to be as follows: I. Recent alluvial Formation Recent. Recont Painer alluvium, Raised Coral Riefs, Ar. I. Coastal Series Pleistoceme. (1) Kingston Formation (Old alluvium) Pliocene. (2) Manchioneal Beds (Marls & Jossiliferans linestones, some coral, : shallan water. (3) Buff Bay Beds & Miocene. (4) Vaurden Beds. (Calc. shales + marls; farselis.) II. White Limes Jones Series (Oceanic) Oligoseme. (1) Colire Beds (Breceia fed limestones + marle). (2) Moneague Beds (Massive white linestone) (3) Montpelier Beds (Challey la techita marts). Up. Focene. V. Blue Mauntain Series. Mid. Eocene () Camberidge Bids (Yellaw lo., rickly fisselis) (2) Richmond Bedo (dark ealcareous shales). Lovy. Eocene. (3) Conglowerates, Tuffs, + Times Jones Up. Cretaceous. V. Basement Series. Paleozoie. 0) Igneaces Veortos

Granophyres + sespendine.

(2) Metamorphie Rocks (Cretacious metamorph.)

Schists, amphibalites, 4 martles.

The geologic history may be summarized as follows:

(a) storo periods of mountain-folding, brending south-east

So north west and east to west respectively; (b) two

great epochs of subsedence and contraction of land area,

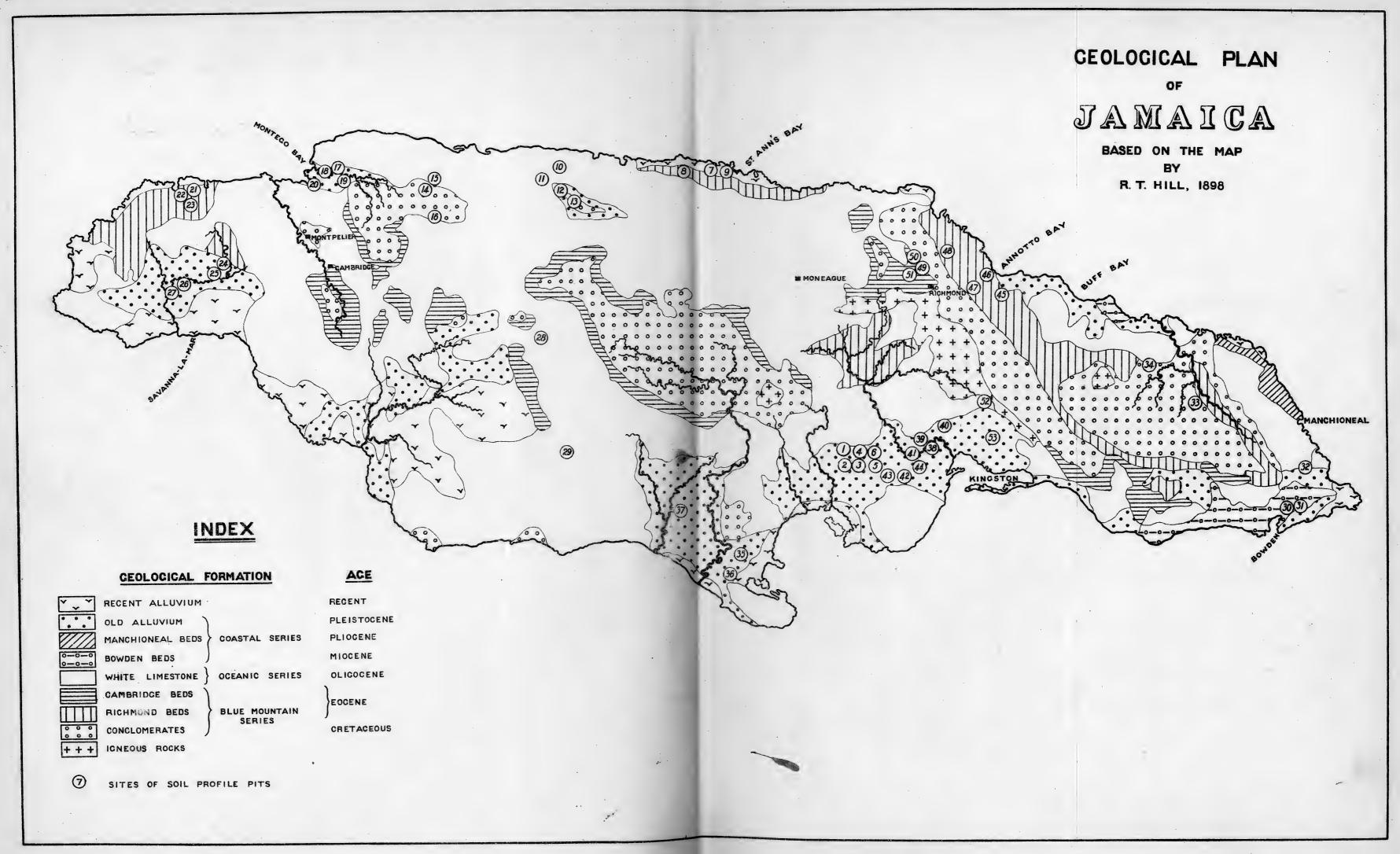
during which the limestones were deposited; and (c)

later uniform elevation which added the modern

wastal plains,

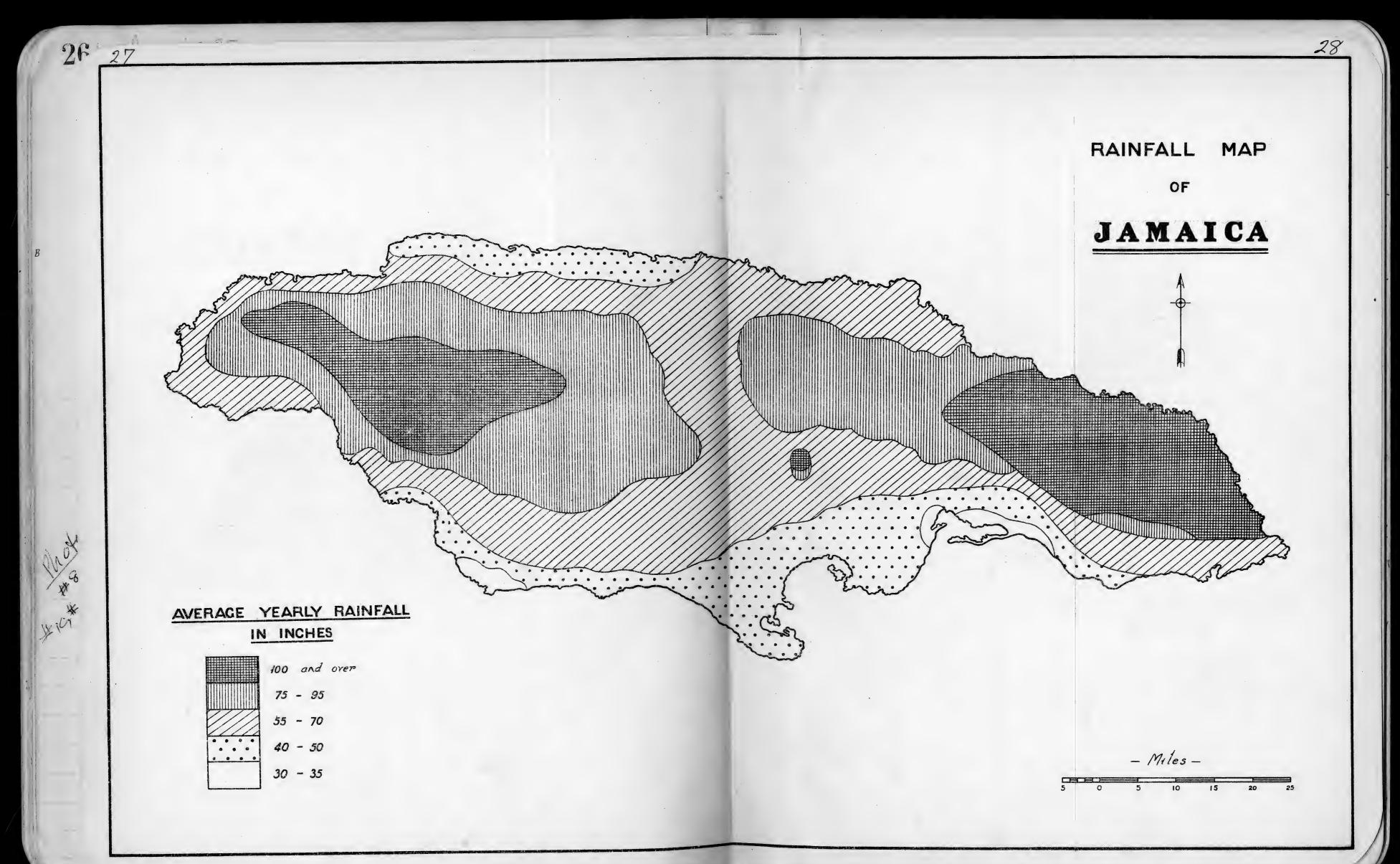
The rivers differ in the mountainous districts and in the limestone plateau, giving two district types of drainage, the one simple and consequent on uplift, the other, mainly underground and having no surface-outlets to the sea. A third, more complicated type of drainage, is a combination of these two, and has originated by the capture of interior basin streams by consequent streams be longing to the first type. The total number of rivers and streams exceeds one hundred, and many of them are of large dingentions and flow all the year round, exhibiting forrential magnitude during therainy season.

CE



Rode around easternend of island today, - 140 miles VII-13-35 altogether. Ranke was Kingston, Port Morant, Galden Grone, amily Hall, Manchioneal, John Crow Mrs., PA. antonis, Buff Bay, Annoto Bay, Castle-Son, Stoney Hill, and back to Kingston. Less shan half of the road is paned, the rest granelled and frequently in bad condition. The first Station 8 along the road overlooking sea beach four miles south of Manchioneal in Portland. Tried sweeping and got a fair assortment of Chrysomethds, Coccinellids, one Mordellid, weenits, The country is in the gone of over 100 miches of rampall and the negetation quiterant. The finestone is pady weathered and the actual sail I him, but enery inch of aux-Jace is covered by plands or moso. The coast is frequently insurregisted by small tones wiles, islands, and larger bays. These are surrounded by dense negetation but generally not palmour mangrone. about one mile south of Manchioneal & Surned to the left on a narrow parochial road. This

winds and climbs slowly inland, approaching



This place would have been worth a much longer stay. a little night willesting with light drap" and langern would seem to be worth frying. Sweeping was Sta ?. A. even more productive than at Station 8, A heartiful black and white menil was present and many Cassid idas, especially. Sta. 9. 8. Under chips and bark of the spumps recently be thed frees found a large number of one species of Staph, with at least one she umen of Taily porince, and a few Mitidulied and small Encepids. The vegetation is exceedingly dense and varied. Vines are very Slowers and affects of frees. At a point about a mile further north on sta. 9. c. The road I found a fine glossy black Scarab. It was lying dead in shew heed The rolliesion owes this specimen to what may as called entomologists eye, Even shough dodging humbs and watching the landscape I managed forse and recognize it in sime so swerve out and not run over it. There were many more butterflies about, and dragon-flies, and large belgo. Much more as Fremember the Things in Tanama.

This station of rourse is even more moist than the last, though I was ludge enough fomissrain. On the road Surther west I passed many very beautiful small bays and rones, with islands sovered with wwwanut palms. Then mangroves Jugan to be common. No more stops were made encept for gas at Fort andones (moto Bay. From shere to Stoney till the road is nerry rough and firing, but the negeration is still gruite dense. In order to compare the various regions a bies summary of climate and rainfall is given from There are two fairly district wet seasons during, Shoyear, namely (1) May and June, and (2) September, October, and November, but all the summer months (May to November) are more or less rarny, whereas the gointer months (Recember to april) are relatively dry. Vain usually falls in heavy mid day showers, but the number of sunless days in a year is small. In general, a positive correlation between rainfall and elivation is indicated, an increase in height of 15 feet deing occompanied by an anerage increase of ravisol of about one for inch, at least for

elevations above 475 feet. On unerage annual rainfall of over 200 inches is recorded at Moore Jawnin Portland, and other sta From within this parish frequently register rainfalls about 100 inches. Therainfall of Kingston is less than 33 inches often. The air semperatures the frase only through a small range during she year, and shrough out the day. Temperatures above 91° F. or below 68° F. are rare in Kingston, average range about 74° to 83°. Sumidify of air is high, ranging at lings on Setween 75 and 81 %. In weder districts, the humidity is maintained much neaver satti Lation point during raing weather. Prevailing winds are north-east or northnorth-east in A.M., and south-east in P.M. for practically all months. The is land has feel reisited by destructive gates on the average about once in energy twelve years during the past 200 years. Herricane weather wenally experienced in July to September, hut occasional & blows have occurred before June and later shan October. The eyelower generally first appear in the Windivard Slands, and more west-north-west at a rate of about

Lea miles per hour, altering direction with-wards and shen worth-eastwards over miss sernapa to Florida. VII-14-35 Sunday, Stayed home to rest and write up makes. Yesterday was predy stremuous. Paid 1/3 for a kint of ice mean! VII-15-35 We got our first pictures developed today. They are all under-exposed. I evidently the estimated The allowance necessary for the tropical sun. In not fog wellused to the exposure meter. It will be more convenient to record and somment on the pictures when each set has been developed, as follows: # 1. Rick on lawn at Magnus, Kings fon July 1, 1935. Completely out of focus. Taken particularly for the herefit of the helmer! #2. Trush on lawn as Magnus, Knighton. July 1, 1935. Slightly out of Jours. #3. Looking southeast from Bonell residence en hill overlooking laymanas Brakes. July 9, 1935. Vanoramo of vally mit # 4. The day was somewhat cloudy but the sun was pright. The print does not show enough congrasts, Shows at center the old Works (sugar mill) and in right fareground The Mew factory. Care fields behind spotled

with socoanut palms. The Ferry River flows at foot of hills to left. The white diagonal line is the road soming up to the house. #4, Looking south from Bowell residence on hell overlooking aymanas Estakes. July 9, 1935. arontimation to right of#3. Shows rowa mut palm walkerin forgramme, range behind, and part of Kingston thatfour in hackground. #5. Cowamit palm on beach at White Horses, 26 miles last of Kingston, looking west. June 10, 1935. Intended to be thiefly a sil, houete. This tree is a favorite photo subject. The white horses (shoals) can be seen off here. #6. Looking down upon large landslide which destroyed soo feet of highway about 10 miles last of Kingston, July 12, 1935. This picture just failed to show the edge of the parement at the top. The black object of The left is a very dense-looking green dush. This slide caused the abandon ment of about a mile of fairly new road. apparently the stide was inexpected, - it followed a very wet period. Ir am surprised only at the scarcing of such occurrences, as the roads are frequently almost overhung by the very soft and much weathered and discolored Standed ?-

limestone, or by unconsolidated granels, etc. In road cuts no allowance is ever made for stides, either in the width of the cut or in the angle of stope of the sides. Very many of the with appear to be held up thirtly Justie vigetation. This morning rode up to Stoney Hill, down along the ridge top to Vog Walk, then to Spanish Town, and home. Stopped to sift at Station 10. about 4 miles west of stoney Will on road to Bog Walk. A narrow damp ravine in the Sanawa walks. Tried sifting dead leaves but fold with was one small laradid and swo weenis. The samely is all in danamas, at the Sola-Sion to the rock appears to de sandostone at Mast it is very granular and weathers mocoarse sand. Below Bog Walk is all limes fone, very discolored, and full of danisees and large dance. The rather large river hapaut arather steep langon, the The rock seems to lotten to stand. Only faint endences of Atrasification occur. There are bands of a harder more crystalline rock in the limes one.

So far I have taken fre rock samples from radd cuts. No. 1 was from the locality of photograph # 6. No. 2 was from the same place but not in place. No.3 was from the roadside near Station 9, and No. 4 the same. No. 5 was from Station 10. Ms. 6 and No. 7 from aut mar Bog Walk. The No. 1 was from the Oligorene White Limestone Series, as were also, No. 3 and No. 4, and No. 6 and No. 7. No. 2 is of rourse unknown. No. 5 appears to be in the White dimestone area also. This is doubtful. During the drive I passed through areas said to be formed of igneous rocks and var honaceous shale. The fact that I noticed neither shows how well wered ever the road with are. The limestone is energeohere used for roads. It is broken up by the natives and sold to the road builders. Even the smallest roads have been granelled and unless kept up are quick to hecome quite rough. Station 10 is overlooking the Rio Pedro which jains the Rio Cabre at Bog Walk. Throm here down the Tio Colere is quite large until a sonsiderable amount of water is withdraw invanals and distehes. The afternoon has been spent putting away speaccounts, etc. mores and letters, straighting Landers 9 -

VII-16-35 This eneming at eight shirty we found two fresh Morsom of the Michnight Beauty. As it only lasts a few hours we had to sketch and examine it at once. Brief description follows: The flower is nearly nine in the long hit surved into a U. It has a spread of nearly sin mehes with a central wp of four. It is white, with Flower part greenish and lower sepals reddish, another yellow. The corolla is campanulate, with free parts asmuch as I by 3", the auter ones marrower and indistinguishable from the lower parts. There appear to be 24 perals, ant perhaps 50 of the stender lawer part, all the seem to be part of the flower have and not at all distinct from it. The stamens are in two groups. One group forms a complete layer, one deep, on the inside of the wordladude and, attached to it up to the rim, from which they are free and 1/2 inches long. The other growk arises deeper in the stude, and they exceed represent distances forming a large mass with the first group, and nevending downing the suche. These latter are from stoo to three mithes long. The ends are all recurried so that the anthers, furtimed by the

end, hang downwards, There must be at least a hundred stamens. The pistilisa long fulle extending thewhole lingth of the Stawer It projects 34 of an inch above the stamens, inhere it is divided into lighteen possigmas, 3/4. of an inch long and stender, - whise. At the base she & pistil opens moo a ranity which appears to be filled with a warse powder This slowers belooms upon the lage of the leaf. makis, the leafie long and similar, appearing to be mere nurrow expansions on the sides of The stem, and the flower grows at some pariet on the edge of the leaf. In Only one flower on each leaf. It blooms only at night and is wilfed by next morning. It is said to bloom an the full moon, and night be fore tast was full! In A.M. rode up right side of Ferry Kines. The road would be impassible for a ear and Iwas finally stopped. If this was eines the main road to spanish lown, it has suffered a lot of change since. I also went a short distance up the rode that turns to the right over the hell. It was in the nery worst possible conclusion. I didn't have sime for any collecting.

In A. M. rode to Gordon Town, Guava Vidge, Manis Bank, and Black Bridge over the Yallahs Viner. Coeddit iross the bridge. Found of large gray and pink Fine the road. mother lase of entomologists use! Collected samples of half a dozen types of haulders in river hed but found no insects where. Found a, dead and broken specimen of the same black Searab as at Starling. This was so whent Station 11 Theroad one mile east of Manis Bank, mear The Gallaho Viner. Rock specimen No. 8 was taken on the road about half-way between Gordon Journand Guara Ridge. There are two samples. No. 9 is a set of 15 fragments of various rocks from the sed of the Gallans Kiner at Station 4. No. 10 is from the roadside about one mile west of Maris Bank. This formation hada very green appearance. This area is in the region of highest rainfall-ones for inches, but is not as densely avergeown as the part at the eastern end of the island, I

Started out at nine vilock for Montego Bay. Went via Spanish lown, Bog Walk, Ewarton, Moneague, Claremont, Brown's Town, Stewart Town, Clarks Town, Falmouth. First rallisting was at Station 12. Between Ewarton and Montague (5 miles southof Moneague in Parishof St. Ann. a pasture in rolling hills at 1000 ft. Illevation. Found one Staph, one berayon, two small Segrates, and a large series of a large scarce which Surroweinly swoon stree inches deep. Only worked one and a half piles to get all there, (one dug out and one surface only). Station 13. One mile south of Moneague on Ewarfan Toad. Cow aring at spud side. Only one Staph found. In yellow companulate flowers at Ha. 12 I secured four examples of Nitidulids. Station 14. Four miles northwest of Karemont in St. ann. In small fungues on fallen log. One Shappy one Forficilist, and one other tiny leastle.

While bassing Bog Walk I kept a lookout for the Trichmond Beds (shale) which are supposed to

VII-18-35

WINNESS . TY

occur shere. Unerlooking the riner and bridge is a large both pit which may show this formaxion. The country is flat buyond the four and shere are no deep uso or auterate. a far as I know we were in the white lime stone all the rest of the time. Occasionally There was an area of very white rock, but generally it was dissolved brown, being almost red at places. The heach just of east of Montego Boy, like the rest of the marshivest wast, is professed by a werd reef. The sand is largely composed of wal framendo. a hand-line shaws at least Der different kinds of Foraminifera and seneral other small shells, These are of course Recent and in perfect condition. I picked up samples of this sand and a few shell for Hubert & and Ille allroyd; also assorted waral fragments for the benefit of Sustine Mieropallo II studento! On the coral reef and lagoon are numerous black belicans, smaller than the California varieties. There was also a stack fird like a grebe, - too short legs to hea sandpiper. In the mangrove lagoon, havener, I did see a medium sijed, ked-legged, sandpiper.

Station 15.

(Mont five miles east of Montegs Bay, on she head, in wave rows.

Just one large bug, dead and water, deaten; all stong the castern and of the island there are many small hermit crabs carrying snail shells. They are common in the roads, withdrawing into the shells at ones approach. They occur attom-siderable distances from the beach, at least fen or fifteen miles, in fact, are less shundaret right along the shore, apparently.

Staged at Staffordshire Hotel.

VII-19-35 Two interesting letters in "The Queen" for September 12,1934 (page 29), - in part, as follaires: Isle of Wight.

"Madam, - Iwonder how many people have seen a snake swallowing a fish! This immenal expe-

rience was ours at Lake Lugano.

We were siding one hot May morning on a wall by she side of the lake, near Vorlegg, when our abendion was rought by something moving at the wateroldge. This proved to be a large shake emerging from the water, and in its mouth was a good-sized fish held kightly round its middle. Then aroal a difficulty, for steeproches bordered the lake just at this boint, and Mesnake hampered by its durden, well not land, and consinually slipped dack again mit the water.

after swiming about for some minutes, a sudden thought struck the anake - do we not hear of the wesdom of the ser bent? It backed ashore and laboriously thinked the places trock fail foremost stowly fore ing isself up the incline until, with a Hop of relief, it stid into a crevice and disappeared. dur sympathies were keribly divided.

Here was a possibly deserving and urramly enterprising reptile; but fake was hurd on the fish, and for one shall not soon forget the imploring expression in that fishy uge yours truly, Cambridge.

"Madam, - September is goodamer month, ..... gossamer ... is the production of myriads of young spiders migrating to hest field ..... The young spiders, wishing to travel, throw out strands ofsith which are eaughtrup by the air even though there he no breeze perceptible to puniantind. The young spiders are then forme off on the falloons which they have made for strenselnes. The word gostamer in a shor-Sened form of goode-summer, the phenomenon usually accessing appearing at the sine when geese were driven out on the souddles.

"Of this sime the adult spiders in the gardin also seem to he very setine. It welained by many roundry Jolk And the well are your without himy on long reliable sarameters. I she we be are sprin wide and bung on long structuation, the weather will be fine's if the we bo are elose and hung on very short France, when the weather will be windy or every or both. Theathurs word

"oppe", a spider. "Spider", in its hurn, is
The same as spinster or spinner.

Another letter from The Queen, Tetruary 13, 1935.
"Mendoner, Bucks.

"Madam, - I had definite proof that hirds of the same species can "talk" whilst on a visit to a madicalist who has made a lifelong study of hirds,

The fold me that often years of study of some of the commoner hirds, he had some to indertand what ier fair sounds means, and had, in fact proved it to his sake faction by imitating them with conclusine results. Be an example, he had preparate even endeavouring to photograph a sparrow-hawk finding her young, but had always met with facture. The hid, although allowing pear a ster year in the same free and publishing year a ster year in the same free and although approached carefully stay a steriday, always remarked too wild to person the my french to take the secired picture.

hawks always gave forth a shill make which was opporently a warning, and that all members of the hawk tribe used this par-

Licilar cryonly when something they distrusted was in sight.

again, he noticed that both adult and young birds used a particular crywhen searching for or desiring food.

He sherefore practised the food call, and when he considered himself "word perfect" returned to the wood openly, disturbing the parent kirds, who at once flew off. He then climbed a convenient tree, and having carefully screened himself and adjusted his camera higan calling plantinely for food.

barent hird arrived with food which by the way, the young ones, although they had not joined in his supplications, were quite ready for eceive; and my friend was able to take sere-tal satisfactory photographs of a subject which for years had blieded him Jourtyly, Blanche Welles."

Bearls, in The Queen for August 22, 1934.

"Modam,— The audistance of a pearl is essentially the same as that which lines the interior
of many shells, and is known as mother of pearl.

The oyster or mussel forms the pearl around
some microscopic parasile that has wall his shell

If your pearl is smooth and round it shows that it has remained loose in the soft sessues of the syster. Frequently the pearl becomes abached to the inside of the shell to from which it has to be cut away; ifit is around pearl, with a flat back showing where it was a stacked to the inside afte shell, it will be called a "bouton pearl. Thollow pearlof irregular shape is valled a

Solid pearle of irregular shope, due to being deposixed on a rough object, are called baroque pearls. F.... Even today ... it is not possible to make a

successful imitation of a baroque bearl.

"a drop pearlie the shape of a drop of water, or pear-shoped. Seed pearloaie sing pearlo no larger. Than many a flower seed.

The mast valuable pearls have a fine skin and a beautiful orient, that means they have a deriate, flawless sensure, and an almost stranslucent, ilear white orient, or subdued iridescent lustre.

agellowish pearl is not asvaluable as the white tounlessit is a strong real yellow; a pink or a black pearl may be entremely valuable when the orient is fine. a great deal of nonsense is untert about

pearls dying and suffering from a mysterious molady, but these valiarious excretions of the oyster are no more leable to change shan the mol. Suses shell. although shey are formed of mineral and organic matter, they are dead matter, and once formed they very so little and so slowly that Spechange in seldom observable. Strong Jacid, however, can dissable the outer surface of a pearl and Anusdim is distre. Eleaning with a little ammonia and French chalk will restore the sheen. "The slight friction of the human skin preserves and polishes pearle, Ahrerefore it is advisable to wear pearls rather than to put them away in a Jewelbon. Yours truly, Christine Ferry.

This morning left Montego bay to make a rerecut into the lockpit Country. Vassed Ahrough few Sowns, but the route is marked by the names of: Johns Hall, Hopewell, Kensington Valley, Voint, the circuit around Maddon, Loughansfield, and Brother's Retreat, Mocho, Catadupa, Underwood, Cambridge, Montpelier, etc. The world climbs very rapidly after the first sin or seven miles, until it assaus the sen top of what appears to be the run of a great amphithease, twenty miles across, with a fairly even rim, and GJ (F)

produce 417

with the bottom composed of endless hills and skeep valleys, all densely forested in cept where fananas have been planted. There are numerous valleys that appear to be undrained though this particular area is drained by the Montego River and Kritutaries. This is part of the great times tone plakeau. It has something the appearance of a complete by dissected peneplain. All the higher hills are of about the same height, while all stopes are skeep and all valleys narrow. Loan only the variously calared limes some series, some quite white others very red, or more or less stained, some is rather crystalline and hard but most of the road cuts show baddy weathered rock. This region get over 100 wiches of rainfall, and even now in the dry season is very damp. Encept where directly exposed this ground never aries. There seems to be little run-off. some gutero and culner to have been provided but I would see little effect for instance, of a normally heavy thundershower of yesterday afternoon, This region is on the edge of the tock pit tourstry And is fairly devicely intrabited. Bonavas

are abundant, while the chief occupation is breaking rock for road surfacing. This is done more often by the women, setting under rude shelters of polin leanes, with the ener-ready limestone as an inexhaustable raw-moderal Search under roding fragments of mangoes in the road yielded nothing.

Station 16.
Midway between Motho and Catadupa in southern St. James parish. A mountain road in dense forest.

A Monder burro dung in the road found only one small staph and one large bluck Searab.

8 Tried severang plong the road with some success, but becoming the tabler dushes and frees was much more productive. This included many Staphs (Prederinae chiefly), weevels, Chrysomelids, one tampyred, locunelleds, and several kinds of small beetles. Several unusual by bee of hoppers were present, but and were not common. This place is fairly well isolated from habitations and I've marked it for a return tonight at dush for light work. One large gray peetle (Searot?) puzzed shout as I was themptying my aspirator. The net was not haven, so he got away!

At 5 P.M. started back into the mountains. arrived at the place above latadupa at about sin-shirty, and immediately started settingup. Had to fill the gasoline lankern with gas and put on mantels. Spread heating c net on ground and hung the electric light over it. Before I had gotten setup, I had an audique of natives; they stayed as long as I kept the light of the moves. as the tamp a dracked practically nothing, . I went out after fire-flies. I showed them to the natives, who then brought me serral more at about seven Lifkeen the electric light went out The fuse was blown. I put in another, - one slash and that was gone too. The third thicked every, flash, so & game it up and but frit The gasoline landern. Itill very little same, so I took a net and went and to search skumps and free trunks. No luck at all except more fire-flies. Seem to be four species. Right see my of the electric Elaterido (Pyrophorus) so tommon in Panama. They own here in Jamain. somewhere at some fine of year, as I'm heard unmistakable descriptions of

Tuesa, mar heach. A dead hawke in the road yielded about a dozen brothelin manillouis, but nothinglese.

shem from residents. So I gave this up and fried heading frees and brush. at first heat got swo more of the large I gray and pink (one yellow) beedles as at station 11. Later got another. also Stapps, weevils, and mixellaneous small beetles, rather similar, to the afternoons mornings eartch. The locality is the same Station 16, and I sinder the eleversion to be about 3000, feet. The deurwas nery heavy and she sempleasure lower than Ine seen since last spring, - almost too ehilly for comfortable riding in a light shirt and no sleenes! Destination to day was to be Mandeville. Went via Luca, Blazgow, Morgan's Bridge, Savanna La Mar, Black Vaver, Middle Luarders, Jacovia, and Santa Cruz. Reached Mandeville so early that I decided to some on to Kingston, via Porus, May Pend, Old Harbour, Fand Spanish Youn, arrived at 630 P.M. The road is paned all the way from Vorces. Ten miles west of Montego Bay on road to

a little farther on I stopped to fry my buch in a pasture but found nothing Sowork on! Over the mountains and down to Savanna-Lat Mar Shrough mostly willwared areas, dananas chiefly, Station 18. Highway about 10 miles east of Mandeville. One large ocarab seen rolling " inch fall of horse-dung. Secured it. VII-21-35 Sunday. Too fired to go out at all. laught VI I a few more of the common brown searako flying to the light on the veranda. VII-22-35 lid some errando and wrote notes. VII-23-35 At 3 P.M. started out in Oscars Pani to go back to the good locality at Marchioneal. Went via Stony Hill, Buff Bay, and Port Mulanio, resurring by amily Hall, Morant Bay, etc. Sta. 9. D At station 9, as before arrived at 7:30 P.M. and immediately set out the gasoline lantern. In While waiting caught fireflies. They were all Amaller Shan shore Soken ton Monkego Bay Arip. Several species, yieluding one specimen of Pyropholus. as the light a dracted almost nothing I took to heating and sweeping. The former was poor, the later fair. To tone by

Varher fired boday. Took a vacation. Touth found a few things under toardo, etc. in the yard. We also found a baby black bird which had dropped from the next. at 7 A.M. went up to Soldier's Home ut South lamp to join Mrs. Soull on a pierric to the north side of the island. about forty soldiers went in two fructioned I drove Mrs. Boullo cars We picked up Marjoris at Farm It and then went via Spanish Town, Bog Walk, Tinssead, Moneague, warton, Form Bully, Kunns Kines, Hoaring River tallo, Christophers lane. Here we spent the day, returning lake via St. Unnobay and a road which where back in allone Hern Gully. An she way home we burnedout our head lights near Bog Walk and had to follow another ear into Spanish lown. For home adout 11:30 P.M. at the beach many of the soldiers went in bathing. Several of them came back to camp with some Ainy black thing like showers in their feet. they called them "sea-egg" and are supposed to be the spines of what is described as a flat sea wrehin or sand dollar, with short barbed spines. I wasn't able to see one but

I have seen dead wrehing of small sige.

VII -25-35

BERTHART J. S.

VII-26-35 In morning went to see about reservations. Met young man shat rolled huter this. Told me to dry rollerling mar Bath. after linch rode to derry ( Bonell residence in Manchester) via Spanish Town and Porus. The caretaker got his man to dig under sow dung, and we got fifteen + of the black Jearoho, as before. Offer an early dinner I went out into the woods for fireflies and talinhies. The fireflies are brilliant but very small and apparently different from wither of the prebrilliant and swift flying It Pyrophorus. When I got back to the house Miss favarion had laught light or sine more that flew siets Miss Savarian has capies of No. 1 and No. 2, of the Jamaica laturalist, 1927 and 1928, respectively. No. 1 gives name of the large fearab line found. Phaeneus sulcadus Drury (P. belgebul =). Modes on habits are indefinite. Nos. 2 and 3 rontain notes en mosses, snakes, Veripalus, manmals, shells, etc. Snakes have feen abundant on the island but are new prairielly extrict ( the to mongood).

Two are recorded that were eight or nine

feet long, but none were nenomous (?). Black snake (dromius ster), Yellow Loa (Epierales inornatus) sported Chimed snake (Leinado phis wo callilaenus), Two-headed snake (Typhlops jamaicensis), Pardaline snake (Tropidophis maculata) and a crested enake (possibly a legless ligard). Mammals include seals, wholes, hads, rodends, alco, a muse dog-like ireasure, a household pet of the Urawaka now said to be extinct; I Capromy or Coney; 1. Manatus or manatee; 4 Mus; 1 Chilony Acris; 2 Molossus; 1 Myctinomus; 1 Reithronycheris; and the introduced (1872) Herpestis mungo or mongoose. My first hint of a Cerampycid rame today when this savarian should my a letter identifying a specimen of siraling Beetle" as Undderes cinquelata. The Phaenews we found were in loose soil about 3 inches deep, beneath a place where there had obijously once been a pile of dring. and of the little brown Scarabs so common around lights was found in same situation, - also several larvae. This Savarian said Ahat these are much smaller than usual, - she used to sel shew about sivice as large (or more) However, at another sime she complained of her memory, so it might be an error.

VII-27-35 Breakfast at 7 o'clock. Starked out at light I to collect in a pasture. This and yesterday's collecting were at Statione 19. Vicinity of Kerry, Borell's residence near Bala clava, north of Mandeville in Manchester. Steep rolling hills, forested but with suasional grasy stokes. When only for parfure. John, the head pen-man, went with me and used his mache to great advantage. We A affacked numerous rotten logs, but found only larvae, forty-leggers, with failless photos fine Passalids, several met fine Passalids, several nerty large lawar, and a few tiny Brenthido in a specially large log. an the same log was one small rather dry Jungus, which yielded sentral series of B beerles but no Stapho, Bark -, 4 Stoppes after lunch I went to see the Onford Cane, Two miles north-last of Balaclava. It is a dimensione canera and apparently is quite large, It wild breeze blows out of it continually. I hope to explore it with good lamps sometime if we get to love back here for another period later on.

The second lot of photographs surned out beder shaw the list. Att. T. Ruins of a stone house along the road south of Manchioneal in parish of Portland. Stightby out of Jocus, - doesn't show much, 11-13-35. # 8. Ocove near Priestman's River, shout fen miles north of Manchioneal, in the parish of Fortland. July 13, 1935. #9. a palm-wured island near Boston Boy on road between Manchioneal and Port an Sonio in parish of Portland. July 13, 1935. #10. a sypical mangrove plant in a shallow water bay near Turkle, Crawle Harbour, south of Port Ontonio, in parish of Portland. July 13, 1935. #11. Two Sypes of parasites or epiphyses on a sire at stayion 9, in mount ains west of Manchioneal in Portland Barish. July 13, 1935. The lower gne is somewhat similar to a pureapple plant, while one of the upper ones has large rounded leaves. #12. Aumpedbull, imported milian brand Mear log Walk. July 15, 1935. This is the Jines & specimen & have seen. There are said to be two types of Indian latte in the island, and they are fairly common. May are easily distinguished by the grey wolor.

Surroux. Harried early for Bath in St. Thomas, to get as near Cuna Cuna Pass country as possible. Tollowed a new road north from Both for fine miles into the hills, then wateld about two miles farther along a trail. station 20.

at Six miles north of Bath in Parish of Ist. Thomas. In hills at end of hanana walke. Foundarrother of the large grey and yellow weevils , dedd in the path. Triedworking several logs jut got liste aixides millipedes. hid sho some sweeping and rearing, with very little succeso. Fruit in oath yielded nothing. Turing Passed through several different rock sevies, and took samples. Whot a very successful day, but this is a good alla to return to and will re-

pay a hardwork sook. Two species of Peripakus are known from the island and rath are said to accuer in this region (known as Beacon Hill). Mey are P. Edwardei Building and P. jamaicensis Hom. + Col. The former is said to be dark above in what so range widely & hours hart the West Indies. The later is redition from with swrite- ribbed antennae and is confined to this issand. They are about the same size, but the later has more legs. They young of forth prices

are said to be form fully developed and capable of independent existence. Their food consists of small insects and other minute animals, which they experie by exercing viscid salva over them. Spent the day putting away specimens, patting hock camples, getting the motorcycle to the dock. The weather has gotten quite a list warmer. 111-30-35. Packing, etc. Boat sailed at 12. Midnight. Colombian s.s. Pastores. We had to be satisfied with a king takin usually emused, because of the

> crowded condition of the last. Brat doined at Port antonio early today to

V11-29-35

sake on Janando. This is a stery bridge may and city being more trapical appearing than most. The cruise passengers went for a riche in the barrered life-boat, - some went his king out on the real. This is a double harbaur, each side complete and protected, with a narrow but due channel. Sailed at 2 P.M.

a "Rags and Takers Simer attacked us very it's-All, for we noth were being a triple woodle. Hooning dew hours sip to bort an Prince

so an early rise will be Mussary and we

make up for it by turning in early.

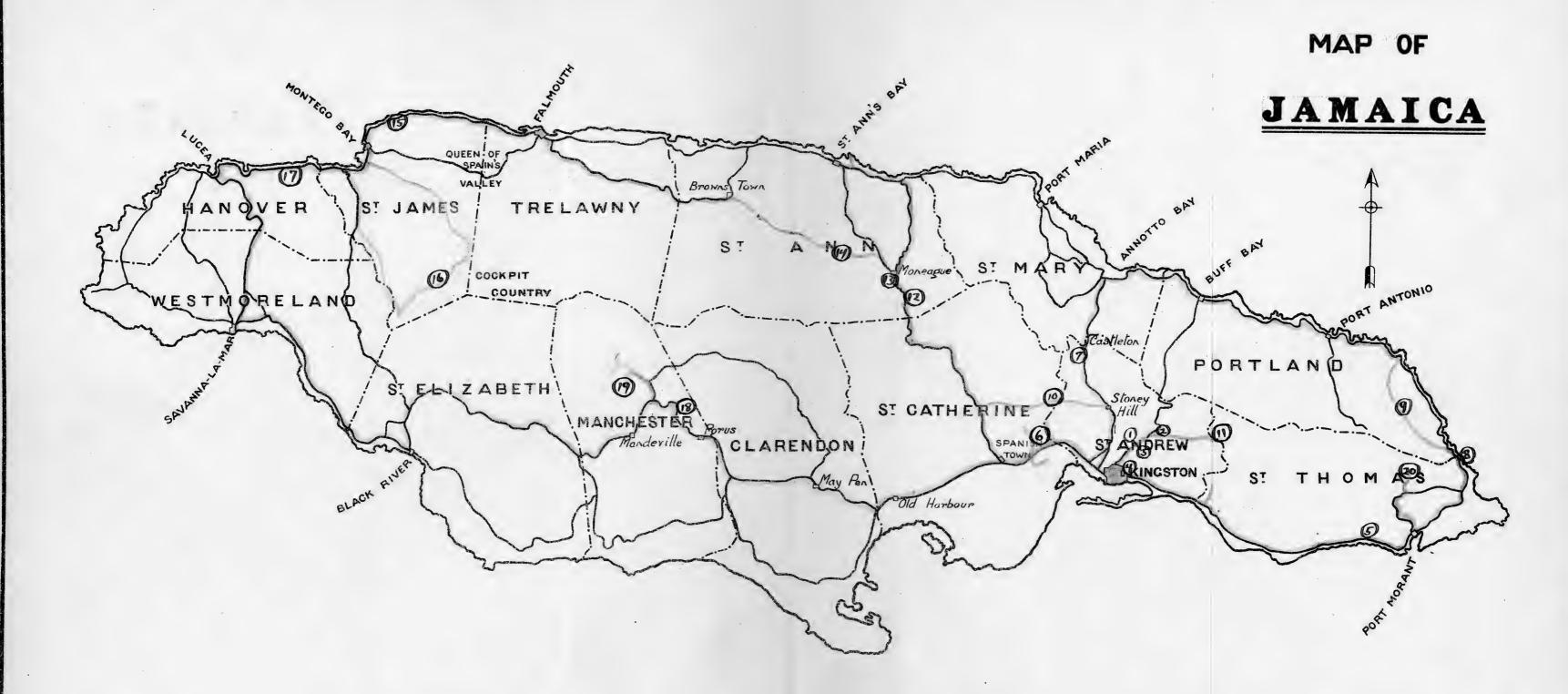
Additional nortes on Jamaica - in retraspect.

~ 7

The shree low like est which I have sollwise dir. The seem to spice different by per. In It. Marion alone atalupa most juri of fargerin, perhaps thofines gallen which is said to he confined to the hills. The light emisted was moderately tright but of short duration. More Manchionist in fortland parish the speciesuresmaller, about three-lighters to one-half inch, with a longer period of right-producing. In derry in Manchester Jarish sheywere skill smaller aut seemed to be much brighter and to stay alight longer. These may Delong to tygolampis. The luminous click-deetle so common and lerry and other praces is Pyrophorus plagiophthalmus. It is sommon mear same fields and is faid to fly in shousands over the fields, the wholosombany dashing bricianly in unison. odid not have the pleasure of nerelying this though Meard it from several sources. Mi turvas are And to be predaceous on the "white gruno which are such a serious first of engureans. Mong the large and shawy there resorded from the island are Stenodonker damicarino, Ofychodes pricinearus, and lynastes hercules.

The latter is said to be rare, but none of them have been seen byme. Summary of miechs known from famaica: ands, forty species; including the Fire ant, the relaxed I emastograter drivissimosa Mays, which nests in orange, trees and freds on the destructive black Icale; a leaf-whing and, lita jamaicenses; and sin species of house anto. Morquitaes, 40 to 50 species; the grandelegene ones are tides and Manoxama, species of the ferries being malaria larriers; some breed in water contained in the parasitic plants growing high up on the frees; one sea shore form freedoin erab holes in trachish water but place not sike man. Hies, sewo midges that are a great mirrance of fines; sen Yakaniks; swo bot-flies. Orthopsera, Montids; a green louiskid; Moconocephalus migrolimbalus; twelver sp. of webroaches; several crickets. Lagant hes, fifty species. Ticks, sire species, one atacking south, one frogs, komainder dosmertie animale. Mothet letterflies, good sollering but number of sp. less thanon manland; 94 of. The coney (Georapromys brownei) is the only indigenous mannal (except bass). a Rice Rad, thirty bass including Vampyus spectrum with 30 inch wing spread, are found. The hats are common in lanes, but some line only in houses and rarer ones only in frees.

- Miles -



VIII -1 -35

Arrived af Part an Prince about 7:30 A.M. Salisfied the Immigration offices, had breakfast, and went ashere. We were met by a Mr. Wolley representing The love funs source. He sot our baggage ashare and down to the lustoms House at the foot of the pier, where previous communications from our State Repartment enabled us to pass without any inspection. He then took usuf to the house and get us established. Then he took me back down to get the motorcycle. It same off with our laggage and admitted free. We went to the Police Station where Wolley is well known and got the newsary hierses in a short fine. at 11 AM I went to callon the american touch, where I found some mail and learned of the Meesing of offaming a Vermit de Lejour if staying longer than two weeks, and also of she willing of larging a lever of introduction from the head of the suard (soularmy). All supriesses and offices close here at 1:30, and as the day was very hot, we spent the afternoon trying to been inot. In the evening Mr. Barnes, the manager of the hotel invitedus to go for a ride up the one paned road in the republic. Newer accompamied by a student from Clarke Este Thinersity,

V/11-3-35

1-1-1-14 3.

whoir his warking on his marcio misic. His name is Fairlinks and his & hesis on agricultural ges a Eaphy, anthe waywe stopped at the home of Dr. Basker of the service Endrugue of damien. Westayed there for half an hour und had an opportunity to harm something of the sonditione in the country, Barker is a lotanist. I was a water purprised to learn that the lowery All heen overreen with naturalists from the Jake. Hang have some hom the smit wonien, (for VIN-2-35 not ) Parling Son and Man Mis Mis Comp Zool, the, etc. Varlington seems to have been the last entomologist. This morning rode out to lamien to the agriculture School. The road is rough and dusty and not very Alexant. It was just market day and irowas of people on hurra's were on the road. Lucking mery furan same along to stir up the dust. The Dervice accupies a large three-story concrete suilding. Ur. Barker introduced me to budie whant, the envomologist, who is a native. The boked over the weetle collections and discussed the wundry from point of niew of collecting. Leveral trips were outlined, and I wasgian to see that comping-out is quite fearible. However, no water is to de Frusked, even in the town, the roads are poor at hest

and frequently impassable to relicites, and the distances are too great for one-day round-trips. In the afternoon cleaned up hottles and jars, and

Fried to farget the heat. Went down at 830 to the office of the buard, with alester from the Unerican Consul to Col. Calinde. He gave me (amid many 'a-hunk's!) a letter to the sommanders of all Duard branches throughout the island, requisting that I her give any help Ally care. Then I had my prifure waken and went to the american Tegation. Tothe Gesterday first after I got home from the Consulate I had a Thorewall from the Legation which intimated I had gone to the wrong office. So I went in today and talked for an hour with two wice young men. They had some advice to give but no further formalikies to suggest. Then o sunt to the department of the ruxerior and applied for the Permit de Lesaur. It would be detriered undig think get her prisures and also gets a termit. In the afternoon of hust on some old clother and worked on the workerrycle. The battom of the front chain guard had been dended considerably and The reak whain needed adjusting. Atherwise a gasoline buthwas all that was necessary.

From the Consulaxe & received a small information sheet with a few items of interest. The area of the republic is about 10,290 sq. miles, our pying about one-third of the island of Hispaniola. Ut Port on Prince the annual mean temperature is Il degrees F. and the daily temperature range arerages 19°F. There is a spring and an autum rany season, rarely exceedingly 100° annually. Large areas are arid and sterile. Mountains are rugged and rise to manimum of 8770". Water sources are many, rivers few! Forests mostly destroyed. Population estimated at 2,650,000. Port-an Prince obout 100,000, no other town over 15,000. 90% are negroes. The third set of photographs arrived just before we left kingston. They are listed here. #13. Bermuda Tily Just Harting to bloom, from Magnus' Veranda, July. 18, 1935. #14. Bogue dolands in Montego Bay, from a hill So the south. (See #15), July 19, 1935. #15. Same as #14. July 19, 1935. This was taken at same fine as #14, which was taken without setting the shutter and aferture. #16. Looking last from road fen miles south of Lucea in parish of Hanoner. Similar to the Cockpit Country. July 20, 1935. This the limestone playeau country

VIII-4-35

July 25, 1935. A full-sized balon tree in the foreground. There must be quite a large volume of water going over here. It is a favorite subject and sourist place. #18. Negative exposed to light. No picture. Grove up road from Port-au-Prince to Kenscoff via Verlionville. It is very rough and rather steep. Too rough to keep up speed in second gear, so & had to stay in low, result, overheading. It took two hours to get to kensioff which is only twenty miles or so. Motor was so hot Shen that I reserved without getting to the top of the ridge. Had to some down in low so it took another two hours. The hills are rather dry, partly weldward and with some banavas. Saw quite a few butterflies and dragouflies, but no beetles. In the road I found a dead forcutula that must have had a spread of three inches. It was broken beyond repair. In AM walked down into fown with Keeth

to get her picture taken for her Permit de Lejour.

then same home ina faci for 20 cents. The

rages for hiring ears seem to be rother high,

but in the city only 10 & apiece.

#17. Roaring River Talls, in parish of St. Inno.

VIII-5-35

VIII-6-35 Started at 9:15 AM for 3-day frip to southlast corner of Haiti. Voute was from Part au-Prince Shrough Croix des Bouquets, Ganthier, Fond Parisien, Fond Verrettes to top of pass on road to Bodarie. The distance is about 65 miles, but it Look over seven hours to make the trip. This was owing to the condition of the road and The steep grades which heated the motor so that I had to stop frequently & to let it look. as far as Fond Parisienne the road is fairly flat and is negr to the Exang Soumatre which hies on the boundary between tait and the Commican Republic. This region is part of The so-ealled Cul de sae plain. In two places She rather poor unkept road had been flooded by streams of large gravel, which came in from the side and covered the road for 100 feet and 200 yords respectively. These were difficult to cross and required a little road-building. From Tond Variscen the road climbs rapidly up the side of a valley, switches back oner a ridge, down a short dugway on a new section of road, and along a dry river bottom for sen miles to Land Veretes at about 3000 ft. elevation. This is the last & outpost of the Guard d taili and

the end of the telephone line. along the road. I made several stops to rollect in dung with some success. Asmall species of Canthon was abundant; also aphodius, a large species of Cercyon, and a few Stophs that looked like anytelus. I found two of the Canthons rolling a ball of dung in the road. I didn't have sime to watch to see if they were really cooperating or merely both strying so remove the bull for themsenes. From Jond Verebes the road apparently is rarely travelled by unithing but harses and mules. Even these Trequently Jollaw shorter baths along the loor of the valleys. The road rapidly rises to 4000 ft, at which paint it become practically a dugeray on the east side of the Massif deda Selle, overlooking a large valley containing the Lagode ihriquille. This take lies entirely within the Romini can Republic but the boundary suns along its edge at the foot of the mountains. A wonderful view ean he had from here, with the lake for beneath and high moun fains in the background. The lake itself appears to be very shallow; at present a large sand-bor worses it diagonally from

one corner to the other. From here the road is mereby a narrow ledge excavaled from the steep slopes with no attempt at smoothing the surface or conering up the exposed. rock. Tradually it gets into the pine felt and one is surprised a little to see firmo and many other feingle plant growing beneath ... The Vall scraggly pines. The latter sulrage light or fen niches in diamester, frequent have no branches for fifty feet with a small head at the top. The needles are rather sparse on the tranches, and the whole forest is anything but dense or dark no mader how close the frees stand. I drove off the road a ways to conceal the motor, made a bed of fern fronds and the convas motorcycle cover, ate my rationed supper, and started out with the landers to see if I would afract anything to the light. I am beginning to shink that the landern is too bright. I sometimes catch things that fly against my light colored shirt but usu ally nothing romes to the light directly. This fine fraught two large fine beetles flying about but nothing same to the light itself. The weather was rother wool

up here at shout 6000 feet, but there were a few fereflies about. I got at least swo and Then furned in expecting to do heler the next night. At 5:30 next morning Iwas awakened by a fremendous cawing, and looked ant to find about two dozon large black crows setting all around in the tops of the pines and screaming at me with all their might. Accasionally they would, eaw in unison, but one or two wuldnit Reep fine and soon spoiled it. Finally most of shem left, but kept up sheir racket in other parts of the forest. On The previous evening I had seen seneral small flocks of parrots, rather small and green. but notas noises as the crows. There was also a lærge done which made a sound like a furtle done but with three notes. like a whip-poor well. The night was quite rool, and, though I slept in my lother with a woodlen blanket and rolled up in the ranvas, I was a little chilly. I had plenty of water in the side car, but the hunch I brought was a little small for three days, and rationed out same to one egg Aurosmall sandwiches, and a banana per meal.

VIII-7-35

The sun was rather lake in rising this morn ing because of a hill between and the cold hept me in bed fill it came up, so a really larly rise failed to materialize. However, I was on my way by seven, starting off in a westerly direction up the hill downerd The Morne de da Selle which is the highest mountain in the range. I followed a bath used by the natives, though I rouldn't tell where they could goon it or what the perpose. At least fifty of them passed during The nent two hours. There is no water available at this elevation so they must line down below in the valleys. Harse and burro dung in the part yielded quite a few things. The road about midway between Fond Parisien and Fond Veretes. Wather haven foot hills with some nutire cultivation. Callected only in dung in the roadway.

Sto. 21 A. abundant and not restricted to a single species. The majority seemed to be Daytelus, but I think there were a weight of Youtholini, and several very small ones that appeared

to be Tachyporine but may have been allo charmae instead. Most of these things were beneath the dung rather than in it. I didn't have a siene but spread out the soil on a North and picked things up with the aspira for. I then tried fallen logs. The very rollen ones yielded numerous specimens of what ap pear to be Up hodies at a glance. They were quite deep in the wood sometimes, and I believe & got the pupar also. Tractically nothing else was found except a few ants. There were survels of round-headed havers oceasionally but nothing in them. I saw little evidence of bark borers of any kind. I found practically nothing under bart Sweeping among the ferns and plants under the fines in the open forest yielded Starr. c. nery little but bearing of the plants along the edge of the jungle where the pines are searcer yielded perhaps the hest collecting of the frip so for. I stayed here about an hour, getting a nice series of the large Vaederus, a few of the small slender Paederids, a lærge Elæferid, guitea few weenels, a great many small spiders, a few Chrysomelids, Coccinellias, etc., etc. This locality is -

Station 22.

Hear the top the passon road between Toud Verestes and Bodarie. a sparse pine forest near the lawer edge of the pine beelt with the elige of the fungle on one side. lalleeting here included The evening before, dung, logs, and beating. The sky began to cloud over while I was beating so I started back foward camp, working along the way. When I reached camp it was starting for air and threatened more than a light shower, as the motor was parked in a sexuation hard to get out of in the wet when thing would be slippery, I hurriedly packed and got back to the road. This was at . a eleven o'clock and as there seemed little chance of any more wellesting in such weather, I decided to start home on the chance shat I could get through, The road down the pass is all very rocky, so, in spite of a plany down pour, was just as easily travelled os when dry. In den minutes I was soaked Ahrough, including helmetand boots. The rain was so think that it was impossible to fell what there was off to the last where the Lague insignille and mountains were).

The last fen miles into Fond Veredes the rain stopped and myshirt started to dry inspots. Istopped for bunch and was enterfamed by the natives in the valley below, - unseen but loudly heard, as they called back and forth, affarently without purpose or mean ing, and occasionally with a bit of song. There seemed to be little going on, so they were amixing themselves with moting a joyful noise! I have frequently noticed on the road that the men give their orders to mules, horses, or one in a loud shout, repeated frequently and loud enough to be heard half a mile, but not angrily. Me entire region fraversed seems to be line-Hone. On the pass there were many small sink holes a couple of feet in diameter and small undrained valleys were occa sionally seen. Various wolors of brould be seen inroad outs but is mastly dis coloured brown and usually weathers into a reddish brown clay. This vail seems So be rather fertile however, as the natives grow som on hillsides where the sail is so Shin as to leave the hill white from the expased tothe rock which shows through.

Passed through Lond Veretes on the main street which is scarcely wide enough for me to poss. The house are all open and have little besides food for sale, though I saw a sewing-machine. Yesterday when drame through in the afternoon there must have been several hundred people in fown and curious us end! Just below town it started rain again, Shough the word raining is an inseal to the adequate manner in which it came down. Threw there was ford in about her miles and was fearful that it might be too deep to cross after the rain. I picked up too sample of rock for laddy along here, Ill try not to love dato on them as I did so often in Jamaica. The stream was no deeper thanks to the lines done that soaks up energthing, and there was no more excitament fill I got to Fond Parisien, encept for a continuous light rain. Two miles west of Fond Parisien & found my. self on a stretch of road made by grading up a striky dark brown clay. Ofter the heavy rains which apparently were quite general over the southern part of the laintry) it was so sticky that it clogged up between

the wheel and fenders. I fimped off and pushed, leaving the motor running with the back wheel spinning. I finally got out fifty feet of new %" rope and world wound it round and round the lack fire toactor a chain. It helped some and I was able to get past the worst of the mud. The rain had stopped now and as the elay drieda little it got stickier. It fammed the portwheel light so that it skilled a long without surning, and the same to the sicleion wheel. The back one dragged heavily butwas kept free by the engine. Ufter sometime Hound Traveldent get on without help as The drag of the side car pulled the front wheel around so that it headed across the road. So I walked back to fond Varisien and presented my letter from Col. Calinde of the Suard. Offer some frouble they found a man who wild read it (itis in French) but it took him several minutes to wade through its four lines! de spoke avery libble inglish and I managed to tell him I was Stuck two miles down the road and needed a man to push me. All three guardswere pleasant and accompanied me, and so

we passed through the nillage about sin other men and a dozen kays joined us. They hadn't really understood how for, but welking means nothing to them and we soon arrived. I was beginning to get sired from walking. Everyone joined in to dig out the mud and free the wheels. Then with three or four (mostly the boys) pushing at the back of the side car we managed to advance a hundred feet. Ufter the first the portwheel had been stuck right. We cleaned out again and repeated the performone. The fourth fine brought no to a granelly spot where the motor got trae-Sion enough and we thought the frouble was over. When I first asked the Guard Shey said, "You pay?" Janswered, "Yes, I pay. From them, How much you pay? To this I looked Hankand said nothing, and they soon forgot it. So now of approached the one shat understood a little inglish and said, I pay you; you pay them, indicating all the rest of the gang. That seemed agreeable, so doffered him two dollars. Heacepted and I handled oner swoof the red Haifian fine gourde bills. He asked if I dedut have any

change, so I took back one of the bills and gave him a two gourde bill, two quarters, anickel, and a den centime piece. This made a total of \$1.97 and he seemed safisfiel though opporently mable to count it repo or figure out how to divide it. It was all the change I had. This Guard then asked if he rould ride with me to Santhier and I let him rede sit on top of the sideear. We went obout half a mile and then ran into another stretch of rlay. We managed to get halfway through this by running with the motor in the disch and both pushing, with frequents takes for cleaning out the mud. I know of nothing so tiring as trying to push something which is moving so fast you must run to keepup. When we finally gave up the attempt, I was so dired that Iwas ready to hie down in the mid to sleep. the Quard however was going towalk into Tanthier where he lived. I looked at the mak and figured it was about two miles. (he Luard was unable to tell me anything about the distance). So I decided to go with him. I managed toget a drink from my tank but didn't have any supper. The walk was

very firing and when I had gone the two miles I began to wonder how much farther I rould stand and to Freish I had stayed behind. We kept on and on, the road wet. and facting insecure, but few hills, in The dark of course by naw. Having slept very little on the ground the night before I was getting pretty the pary sleepy, and my book and helmet were both about twice Their normal weight on account of mind and water. When we finally got to town I sigures. we had some fine miles and I verified this next morning. At the Eward house they gove me a bed, a wall bunk with skeel frame and stiff sagging spring. I had earried my own blanket from the motorcycle and spread it over the spring, they gave me a pellaw. I was so fired that I slept soundly and only awakened once to see that the stars were out and the storm oner. I had no supper and no water ofter the fine mile walk, so when I got difed I had a very impliarant Lastein my mouth and a slight innest in the stamach. My clother were still wet and the night root but with the blan ket I managed and was dry when I woke.

VIII-8-35

By sin the sem was up and I followed shortly. Most of the Quards had slept in their clothes as I did, some on Straight wooden benches in preference to the wall raches. I was faced with the five mile referre walk to the motor before breakfast and didn't have the heart to start it & without a drink. The water Shey had only furted fair and no doubt was unsafe hut one glass helped some and I started out: When I had walked a little less than a mile I was over taken by awar full of natives, including the Guard who was with me the night before. They stopped and hung on the running-hoard, but so fired that I wasn't always sure I could stay on. I hen we reached the motor se I got off and so did the Guard. He scraped mud out of the fenders while I sat by the roadside without energy mough to help. The road had dried considerably during the night and we were able to go on without more trouble. This time of put him on the seat and rade on the gas tank myself. When we got to Fanthier I gave him the other five fourde bill, got my blanket from the Luard

house, and set out for home. Just outside of Lown & Hopfiel for breakfast, but Iwas Less hungry that I didn't dare to eat much. the how two hard-hoiled eggs seemed to be the easiest to digest so I are them. It was good As he hack to the water again too. A little farther on Istopped at a stream towash a little of the mind from the elutch pedal and gear shift lever, etc. The rest of the road was cut-up by cars in the mud but I managed allright, having no trouble with the Los rocky places as it was now downhill. Just as I got to the mainroad I ran out of gas and had to empty into the touch the remains of the spare five gollons Trarried. I also at another egg! Had to ford one fair-sized Aream but managed stallright. arrived at the hotel about sen AM too fired even So remember to lock the sideear. The krip had been about 120 miles and had taken sin gallows, - only 20 miles to the gallon! More than two thirds of the distance was in lower second gear. The rest of the day I was too sered to more from bed, but was very hungry and managed to eat quite

VIII-9-35

Vaccovering from stremous frip of the last Heree days, bon't remember ever having been so tired before. My muscles are still sore but I don't feel as sired now. Wrose up the notes, and read the Unpublished hearies of Mark Iwain in Comopolistan for Jugust 1735. Mr. Fairchilds has obtained from the Vulle Warks Repardment a copy of the geological report on taili by Woodring, et 2. 200 t in paper. from barker he got a copy of the latters, Flora of Naixi (also 2.00, bd). Warker fold me he might be able to get a copy of the former, and Imay get a copy of the latter as it appears to be a good example of Nanonomy. The f. W. D. gave him the road make for so t, the the Umerican Consul gave me one for nothing. Scraped motorcycle in AM and washed it in PM. Mud was caked in Jenders and around transmission Bostom of front chain quard is somewhat dented in. Changed wheels to keep wear on sires even, pulling newone on front front one on rear, and rear on spare rack. The rear one was noticeably worn but not as badly as I expected it to be. The front sire and sideear sire seemed as good as new. Took sideear off for a day or fivo.

VIII - 10 - 35

Alaide 22

VIII-11-35 Lot a very late sfort for Kenscoff and Fury on top of the ridge routh of Vart-an-Prince. Left motor at foot of trail in Kenacoff and walked about a mile and a half of the top, Shat is, she pass turcy is a mile or two further at about same elevation. Tried sweeping and beating with good success at Station 23. along trail to Furey, 1/2 miles south (above) Kensioff, south of Port-an Prince. Steep hills with batches of frush, grassy slopes used for pasture. Tew pines at summit. Obtained two very beautiful Lycids, two species of Cassidid, The same large grey and red weevil as in Jamaica, sur large Elaterids, seneral of what appeared at a glauce to be fireflies, several small black Mordellis, trilliantly coloured leaf hoppers, seneral small weenils, A one red species of Coccinellid, a small Staph or two, and numerous minute heetles, etc. Ex Inworking dung I found many Staphs. Seem to be marty Ony felinae, one Philouthus, and perhaps a laufill of Xantholininal. Also fook several finy Cercisons, and aphodius. a large landhow seems to be the chief hung-beetle

here. Every pile has a few and they are

frequently seen or heard flying along just alione the ground. If one sits down to work at a particular pile, one or two are sure to fly in and alight within reach. When a pile is found in just the right son. distion, rather dry, it simply beens with them. But the minute the file is disturbed there arises a distinct low rustling sound which last about a minute. This is tours Los by the feetles escaping howomward into The sold beneath, their powerful figs scrape ing against the grass. The combined sound from such a large number (must be at least a hundred frequently) is audible for a dis Sauce of several feet. This region confairs more familiar-looking plands shall any Ine seen yet. There are pines (Pinus occidentalis), dandelion, wild radish, mulleins, and from some kind of herry, and of wurse many strange ones. The whole arafrom here to Part-an-Prince is white limestone (Evene). every night do a little collecting here in the hotel lobby. A small brown search is common, and foright got a fine forficelid shout 1's long, sported by Mh. Bornes, manager.

VIII-12-35 Mr. Barnes drone us out to see a sisal fibre mill. It is on a property in which he has some sort of interest, between Bon Repos and Montet at the foot of the mountains on the north side of the Plaine du liel de Sac. The sixal plant is somewhat similar to the maguey but without lateral the leaves. When crushed, the Clanes yield long white fibres very similar As hemp (many are over two feet long and are not easily broken by hand). This is a very small mill, run by a 40 horsepower diesel engine, and putting out about fine bales of 500 lbs. each daily. The fibre is worth 4 cents all at present. In this same greature saw many of the blackhirds with the thick upper hill. I believe these are the butter Blackhirds. They were common in Jamaica also but in both places are somesimes called crows. Jamaica also has a plain-

hilled blackhird - The Jamaica Blackhird. This afternoon brought accounts up to date and find that we have spent practically half of our years income in 2/2 months! Our expenses other than board and room are going to be much less here than they were in Jamaica; its a good thing!

Tried to start aut early today and got off about 8:15. Went along wast through Gressier and Leagane and then south a short distance beyond Trouin on the road to Jacmel. The elevation is said to be about 1000 ft. Sut I didn't notice much climes.

Station 24. Vicinity of Trouin, between Leogune and Jaconel. alaw pass between two small rivers. Brushy river ballow. Tried beating and sweeping but got hit except four of the large grey and red weenils and å large series of a smaller klæck weevel. A Under stones found a Shree-inch centifede,

swo spiders, and one sing Staph. The dung B yielded quite a few Staphs that appear to be Canthon, an aphodius, and a large Sphaericline also. The day was hot and threatening and In afraid I didn't work very hard. The natives were rather numerous and in still shy about sollering in sertain seriesions when have an audience. The ride home is rather siring as the road seems deller

than it is and invites a skeed which

nearly fends one in the ditch.

Hada little hattery trouble yesterday und Loday. Something eaused a discharge. I find Shat the generator is set up to the limit, but I got a rent battery for the side-car to prenent any real strouple. Also adjusted the value tappets. The enhaust ones were a krifle too loose. I think one value must be studing a little but I ean't be sure. Put the sidecar back on and prepared for an evernight drip somorrow, weather permitting. Tried to get a summary of geologic features from Woodring's Leology of the Kepulli of Hairi, but its too detailed and specifice. From the tables of monthly rainfall averages I worked and the following plan showing annual ramfall. His frankly based on insufficient data, but probably gives the general arrangement. Mr. Farrchild say that br. Barker is rertain The Cut-de- fac Plain receives at least 40 unches a year, but all records show it to be nearer 30 inches. Le Ahinks 40 is nuclessary for the colon which grains there. Mh. Jair-Mildalso he lieves that the southwestern area of oner 100 inches reaches to the wast, as roffee is grown there and requires this much. This last is far from rouelusine.

VIII-15-35 Started out for the morthern part of the reput hie. Toute was from Port an-Prince Ahrough St. Marc, Ressalines, Fonaine to Envery, from where I enfected to reach three maintain ranges. about 15 miles south of St. Mare & stopped to collect in dung along the road. It had advacted my attention because it was retine with small black Learabour howere rolling away small masses of the dung in enery direction. I found a few staphs and Cereyons, and seneral dozen of the white-tailed Canthons. as & drone on I frequently saw little halls ofching rolling rapidly along the ground and had ghimpses of the little black fellows under them, usually in pairs. I soon staffed agrin to get a larger series, with good success. This was at

Station 25.

Fifteen miles south of It. Mare on main road to Port-au-Prince. A narrow strip of land best ween the mountains and the sea. Lungonly.

Station 26.

Fine miles south of St. Marc. Mear a small undrained lake but sountry somewhat less arig than at 149.25.

Collected again in dung in road. Found

several kinds of Haphs and some leryons, but no Searabs, - atleast no Canthons. Here Jake my lunch and somewhere between here and Sonaine Flost my keys. Without access to my water, food, blanket, gasoline, papers, or rolleeving equipment, and knowing I could get no assistance in any of these native willages, the only thing to do was to some home. I kept looking for the keys Sent sit see them. It was 3:30 when I Aurned back so it had baken 6's hours to go, but I came hack in the rain and halfway offer dark in five haurs. I all my krips are interrupted by rain this way I won't have much to show for a month in Haiti. There isn't a hotel in the country outside of Part-au-Prince, and nowhere where one can Arust the water. Its allright to be independant in good weather, but rather hard in heavy rains, especially as I have no prosection at all while riding, and rould hardly make ramp in the rain. The rainy season (summer) is just exarted but in the wester weeks where the willestin is hest, it rains practically every day.

VIII-16-35 Spent the day writing letters and making the rainfall mak. Wrote to Martha and laddy and gave our next address to Mrs. Willis.

VIII-17-35 Another day without collecting. Motorcycle is still imopened but very dirty. Washed it and greased it. Went swimming with Jack.

Thank and Johnny Tairchild at the Retion-

west of Vort-an-Prince. Vanth didn't feel like going in, but Johnny and I swam out to the float; - about two hundred yards. There were numerous small jellylish, harm less to the hand but lausing painful strings on softer parts of the body. While swimming back I felt several on my arms, and one on my cheek was rather fainful. The water was lukewarm-not below 80°. Tried to duplicage sidecor padlock in hardware stores. Home had any yale locks. There is no locksmith in the republic! Imally horrowed a harboan and ent lock off. Repacked riderar, eleaned hottles, etc. Have decided that real early departures are onlyway to escape afternoon rains. Maxwell allow me sen hours without the danger of getting stuck.

ville Club heach near Bijoton, four miles

VIII-19-35 Monday, Went to bank to cash Transler's Cheque. They Margo 60 + for eashing 100. Then went to Lykes S.S. Co. Office to make reservarious and get sicket for Ruth. Moone There seemed to know much but said no side of well by sold fill the day be fore sailing as they can't be sure of places. Lot mail at american longulate and Mr. Breverwork a liter to the De am. lons. in Santo Romingo Explaining that Ruth would arrive without passport, etc. Went to Interior department to get our overdue Permits de Lejour, They had not, yet been signed by the secretary and there's VIII-21-35 VIII-20-35 Left eall for 5 A.M. Got away at 6, but Stopped to put air in the Lives in rown. Went through Leogane, Grand Loane, Verit-Loave, Miragoane and stopped along the road about midway befiveen the latter and St. Whiheldu Sud. Colliceted at Fine miles south of Miragoane on road from Vortan-Prince of Les leyes. Clong pagh in Shin woods and on hill overlooking wern fields and brush.

A In a large fungus that had apparently been dropped by the path were the usual Siolysid? and she fing (13 mm.) beetles found once before. B Ho Staphs were found. In dung were eight lanc shows, two aphodius, and one faprinus. Succeping and bearing gave one Hispid, sever more species of Brushid, a Tenebrionoed, a small weevil, several spiders, and numerous fing beefles. Returned along same route to Station 28. Just east of Grand Grave on road to Part - an - Pr. Collected in dung, and sook one spider from web. and then home, - all on 3 gallons of gas. Wednesday. This is the Hairian independence day, Evacuation lay. A holiday of rourse. Wrose leters and notes. Johnny Fairchild left on Vastores with a makogany table, a large rug, ause of rum, a native drum, etc., etc. ! VIII-22-35 Went out to damien in A.M. Lave letter of introduction to andant, returned Geology book, and got all the Stapho (14) from the rollection on loan. In afternoon washed bother and made anew cyanide jor. land doa very good job till diget some Klaster of Varis. Three weeks is about the life of one made with blog-

sing-paper.

(at Harrion 23) VIII-23-35 Mp set 5 this morning and got starked to fore 6 for kenacoff and Turey. Took the road that goes beyond Kenscoff about a mile, and Then followed trail. Left matorcycle st 7:30. Trail is level and takes about fine miles to get to Furry, whereas the direct trail over The ridge is only 2/2 miles. This work was laid out as a road to Furry and Robin, but was never completed. I sollected by Sta. 23. C. sweeping and beating along the path and down the ridges a few yards. about a mile from Fury where spring-wases runs in the path I caught the livindelids flying. Marhere the upper path jains the lower and I followed it is the top, then followed the ridge to last. Tound, good collecting in the 01 Sta. 23.D. prush on top of the hill. a fruit kree of some sort and blackberry hushes were best. Farther on Iworked dung for three-quarters of an haur, Then down the very skeep face of the hill to the motor. Water and bunch, and then home - 2:30 when I arrived. Sto. 23. B The hat of the days ratch fallows: andring-24 lanthon, 4 Histerids, 32 brown Aphodius, 8 large Sphaeridius and 7 Cercyon, 94 Staphs (Oxytelinae, Philouthi, and Aleocharinae chiefly).

I Meloloutha dedd on the ground on top of the hill. Beating and sweeping - Stapho 1 Paederus and 1 aleochara, 6 12" Cicindela, 1 "4" same, 6 Lampyrids (3 species), 11 Elaterits, 2 Mitidulido (2 species), 15 Mardellido (3 species), 25 alde. merids (2 species), 46 Coccinelloids (6 species), 3 nery stender gray " Cerambycids, 15 Chrysomedids (3 species), 16 Brushids, 2 of the large yellow-Striped weenils and 38 other weevils (13 spines), I lærge walking skiek, I green kasydid, I grasshopper, Ismall Mankid, I bristly red been fly, 2 horseshies, 3 bees, 2 wasps, 5 roaches, 5 larwigs, 31 leaf-or tree-hoppers (12 species), 3 or 4 bugs, 26 assorped spiders, and adout 50 miscellaneaussmall beetles. This is the hest days collecting Ive had yet. Hove hopes that one of the bundelide is the one that larlington is reported to have sonsidered new. Audant says that this was one of Sarlington's favorite localities. There is no question that the larly morning is the most pleasant time to wallet and I have seen nothing to indicate it rand just as productive. But I still get the tasked gasoline in the water and in my kinch! /errible!

VIII-24-35 another of the days that accome to be wasted. VIII-25-35 Finished notes and wrote letters in morning. I Planned to do an errand or two but didn't drang. Took a partrait photo of the motorugell. The earhon removing etc. that I did She other day made a new moster stit. I didn't have to stop once on the 12 hours climb to Kensioff to wool the engine, and no knocks at all. Itwas full of the la Her before. This was the largest repair had done to it Ine adjusted the rear shain twice, cleaned wir hure far repaired a broken snukber, changed wheels to equalize wear, changed oil once, greased about once every 1/2 weeks, and once dissembled quite a bit to scrape mud. The half weed soil that I brought with me is nearly gone and last week I put in a gallon of aniation /ender # 120. They didn't know the S.a.E. munder. I have no idea of my mileage because I have no speedometer, but it ears he very high on the average - perhaps 30 miles, because of the roughness of the roads which force second and law-gear speeds. Some places are plenty steep for the side cor land.

Sunday. Mr. Barnes took us on a hike above Retionville. We drove about two miles shore P. on the Kenscoff road and then elimbed to the northward to the top of the ridge. On the trail up we found fine or sin of the black Canthons with white spot on the entremety of the obdomen. Station 29 One mile west of Perionville, on ridge known as Morne & Hopital. Elevation 2500 feet. The view from the top is very fine extending Sonane Island across Port-an-Prince and Cul-de-fac Plain to the Elang taumatre and the mountains of the Concincan Republic behind. In the other direction (south) ean be seen Kenseoff, much higher, on the next ridge. I found some fresh Jungion an avocado free, but only one Staph harva was shere. Taker on I saught a fine bee or wash. also a weenel that landed on my leg. We Climbed about 500 or 600 feet in all and walked not more than two miles. The party consisted besides with and me and Mr. Garnes of Jack Ruane, Mrs. Melarthy, and Mr. Haber, a frosley radio man.

Mr. Barnes frown Packard sedan is shout the VIII-26-35 same age as Daddy's car. We had some misgiving, however, as the left front sire is practically in shreds, Mr. Barnes said he wouldn't hather to shange it if it did give out, but there's a limit on how for one well drive in on any flat, espereally in a heavy, old Packard. He had predicted rain for 6:30 P.M. (previous enening) but it started in jerst ianne refurned at 1:30. Jastnight Mh. Barnes book the same Sunch ofus (practically the total occupants of The hatel) to selifwe would find a native bambosh. We drone out past Bijo-Son (about 10 P.M.) but it was very given. tinally we did get a shance to book in on some sort et a religious dance. Ituras not the regular performance, - the women only sook part, dressed in white, and carrying small borches. Afterwards me fried along John Brown Street, which is part of the Versonville Toad. Mothing at all hers. Verhaps a week of holidays has kired them out, - Inesday, Wednesday, Thursday were all big nights.

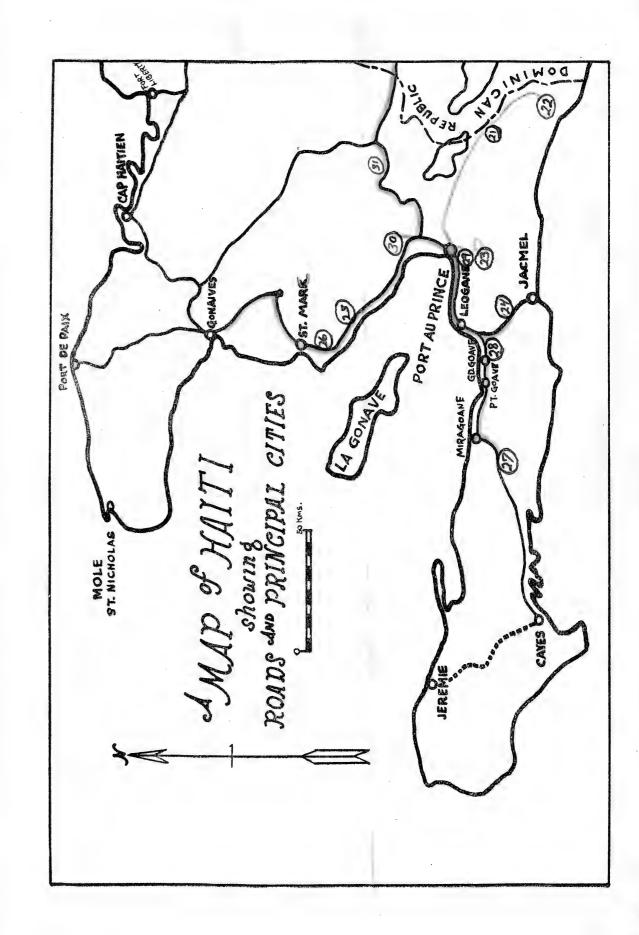
Mp at 5 A. M. Soday and went out to the vicinity of Mh. Barnes sisal plant. There is a large pasture near by, in the middle of solon fields. I was surprised not to find a thing in the dung encept ands These were imusually alundant. Two Any Carabids running on the ground were saken. Ulso one small yellowish beefle beneath dry dung. Then drone around part the sixel plant to the first foothills where there are the ruins of up old bar Eaches and guardhouse. Here on what was once a neranda I found guite a hit of horse manure. This is Itaxion 30. 15 miles northeast of Port-au-Prince, in the nicinity of Mr. Barnes sisal mill. This is off the main road from Port-an-Prince to Cabaret, and is marked Montet on the map. By spreading out the sand under the dung on a cloth and using an aspirator, I took quite a few small staphs of two species. The ant swarm in the dung itself and seem to keep out energothing else. I dried at several other places without seeing a single beetle. A light green

bush with very long spines (? mesquite?) Shat was in bloom a Hracked some large bumplebees. I got one of these, a yellowjacket, and one Bruchid. This hush is exceedingly common in the plains. It worders all the field and invades them ropidly unless kept hack. Tried sweeping along the road, etc. with only fair silecess. The total was: 9 weevils VIII-28-35 (3 species), 18 flea- heebles (1 species), 2 Coccinellids and 2 larvae, 3 other sing beetles, 9 free-hoppers Ismall mantis, 3 bugs, 1 fly, and 1 spider. Yesterday on the hihe o found a whip-scorpion (with fail) being dragged off by ands. This is the first one In ener seen. Most afthe plain is under sultivation and I rould find no other places to rallet, so I came back to the Hotel early. In the evening Tuth and Mr. Mularthy took Aurus playing criphage with Mr. Farnes. Each won at least once but Mr. B. took the fourment easily. In afternoon M. Haber hired a little gray burns for Mrs. Melarthy to side, It had only one lar and such wobbly tooking legs! I sook a picture of Touth siding on it.

Tuth and I went down to see the lominion Consul. Found out we must have permits from the Haitian Jonernment to leave the rountry. Tried to get Mr. Woolley to help get the latter, but missed him somewhere. Waited at the British Legation for half an hour, then feeling ill same back to the hotel. Wassiehall afternoon and stayed in fed. No fener this morning but I felt very Lired. Stayed in feed all day, but got up for dinner in the evening. Spent the morning writing letters. Seven VIII-29-35 of them. Mr. Woolley didn't show up and VIII-30-35 Mr. Woolley took my passport down to have The permit added. Taken he book me down to get it but the Minister of the Interior hadrit signed it yet, so we have to wait. Tuth spent the whole morning by foing the letter I wrist yesterday. In the after moon Impacked the sidecar and laid everything out to air. The spare gase hive permeases everything and gives an almost undearable steach. It gets into my lunch, my drinking water, my blanker, my papers, and the camera!

VIII-31-35 Have another set of pictures now. #19. Entrance to Oxford Cane, four miles n.e. of Balaclava in parish of Manchestes, VII-27-35 \$20. Looking north from road to Kenscoff about a mile below the fown. VIII-23-35 To show the rounded nature of the ridges. Imsure it must have been Jogged by the deneloper. #21. The only signbost in tail! at of the proposed road kenscoff to Furry, one mile beyond Kenseoff. VIII-23-35. ground of white limestone. We road ends here for lack of a ten-foot bridge. #22. The motorcycle and its inscription. Taken at fans Souci Hosel. VIII-24-35. #23. Port-an- Prince inty and day, lasking north from ridge west of Petionville. VIII-25-35. The Cut-de-Sac Plain is to extreme right; St. More would be accoss the key to the neith. The Hotel Sans Jouci is histinguishable to right of center in midst of Sherity. #24. Tuth, on the servicest-looking dankey in Aown. VIII-26-35. Very cloudy, but the Fromble was chiefly focus. The donkey hardly seemed able to hold up his own weight. One

ear was mosing entirely.



1X-1-35 Wood 5 A.M. Final packing and arrangement of sidecar, breakfast, and goodbyes kept me till senew, and then a stop for gas air, so that & got out of sown at 7:15. Headed for fants lowings via Mirabelais, Tascaholas, Belladere, Comendador, San Juan, agua, Bani, and San Cristobal.

Station 31. Near Mirabelais on road to Lucaholas. Dung. The clink from the liel-de-bac Plain up over the mountains to Mirabelais is skeep and very rough, but I doubt if it is 3000 feet, us Mr. Barnes Shought I stopped once to cool motor. From Lascaholas the road follows ridges in what are practically hadlands. Accasionally there are rivers, one of them so large as to give me serious doubts of crossing it: I stalled the master in the middle, but it started readily and dichit give any frault. The back wheel dug in and I was stuck in spile of the motor, I got a man and for fays for push and finally the four of us (and the engine) pushed it out. I gave from two so contine pieces. Jakisfied. The water was well over my boot tops, Shough I dishit get into it ( that is, I was able for ide over the deepest parts.). Two or three smaller rivers were almost as hard

So cross, and muddy hunks didn't help. It had rained hard the day hefore. at Belladere, near the border, I stopped to show my "permit to leave to the police (Garded Haidi). I registered and then went on. alitele fur. ther another man stopped me but welder speak any inglish. Offer skewing shout for sen ministes he let me go on. Fifteen miles forther on was Comendador, where there is a nice lustom House, built deras the road. I stopped and the officer addressed me in Spanish. De seemed puzzled when me Sailed to understand each other. Then he seemed to think of something and went to get a slip of paper with typewriting. He showed it some and I found it was in Spanish. But Isaw lr. Wichard E. Black welder in it and indicated that I was He same. He seemed pleased and acted as if Shat was enough, - I would proceed. Went So be sure, I got out my passport and showed him my name in it. Buring the whole five minules I didnit even get off the motor, I went on feeling about ashamed Souther a country so easily, almost unthout even identification.

Lagran was top 3

From here on the road kept getting better and all streamswere bridged. From San Juan to agua she road followed a large river in a large plain. This would be properly salled a desert as only mequite and eaches in much evidence. His very rocky, mostly showing conglomerates and muds, etc. In this stretch the road began to get wush-boardy. It kept getting worse practically to Santo Komings. I fried to speed over the tops but almost last control as & caulant keep gither my feet or my hands where they belonged. They riding on the entreme left of the road, often clear off the edge, I managed to get along with only the sidecar fighing. My armo and hands soon got so stired that I danted if I would keep it up to S.D. At one place bet. ween Bani and Son vistokal Shey are building a large bridge. It is nearly funshed but I had to take the superary road, over one bridge and fording two smaller branches of the river. Just autside on San Cristolal is a fine faire of concrete! I speeded up hapefully, but in about a mile it gave way to washloard again. Ty this fine it was dark so I had to more sareful of chuck-hales and pedestrians.

about fifteen miles and of S.D. I came to a good asphalt surface. It was a great relief and lasted elear into sown. after asking the way As the Hotel Senor seneral sines, I found my. self in the general vicinity but couldn't pick and the boarding house. Then I saw the U.S. coatof arms on a house. It surned out to be the american Legation. They showed my the place almost across the street and I finally pulled in at 745. Madame Senor gave me a room at the rear of the first floor and a se dinner at a separate fable so that I wouldn't have to change my clothes. This is supposed to be the pest place in town, but I'm glad Vouth stayed in Haiti. This room is not very clean and the air is damp so that things do not dry out readily. Mis makes it seem kuen less clean. It doesn't prefend to be a hotel, - nostationery, quests allest at the same wakle, linen isn't replaced every day, etc, etc. I went to hed right away and slept fairly well. The room is screened and I used a morquito har but still one or sevo got at me. Screen seem to be quite a lunury in these countries, but a second rate job is not of great use.

1x-2-35 Went to the Legation where I falked whiefly with the Suretary Mh. Jas. E. Gantenbein. The minister was also there but I didn't get his name. Ofter some falking I went down to the american Consulate. Mr. Reineck , the Consul, was very miland sent a young man to go with me to the government offices to get licenses. After beating around until I orlock we managed to get a hiense plake and a semparary driners heense. Ill. Langenbein innited me to lunch with him and one of the younger men at the Consulate. They live fogether in a very mice costage, and we had a pleasant time. I also managed to farrow a ropy of the blue. print map which is the only available one of the Vepublic. I can probably keep it. The rest of the afternoon I spent writing to With and unpacking the sidecar. The can of spare gasoline had laked three or four gallons all over energthing. I spread the Shings out and lift it open all night. In the evening I got a hunch of all Tiherty with a story the lase of the lirrans Bride, anof the Verry Mason stories. I was tothered more by marquitaes but only found one in the net this morning.

Toda is a national holiday, or rather a day of mourning. Fine years ago, I believe, on This day was the great hurricane which pracfically demolished the city, killing several Showsand people. I heided to start for Santiago after bunch, so spent the morning greasing and packing the motorcycle. Instead of Laking everything with me, I put in only what I expected so need and left she rest with Mm. Serier. The Legation called up to say that had a package for me. It came in the diplomatic fourch. It was from Ed and son-Sained four of the large mailing suber and inside of these, I suppose, jars and habbles. Then the lournage reported that they had a let ter, - one from Mother and one for Ruth from P.d. about swelve o'llock I kegan to feel a little bit under the weather. I shought Iwas just hungry, I also thought that if I was going As be illagain del rather he in a good hotel in Santiago Shan in a humboarding house. I got away at 145 feeling a little wasy; but felt ox while riding. The pavement entends about 25 miles out of Santo Somingo and then gives way to washaard again all the way I seemed to be just on the

edge of a storm but didn't actually run into any rain. From Mora to Santiago there is a fine pavement: It was very welcome. Jarrived at 5 30, making it in 3 34 hours. The Hotel Mercedes is almost the only building in sown over two stories high. It is four. It is reputed to be the best hotel in the Reputelie, and dd he surprised to find as good some anywhere else. The ground floor is mostly taken up with the diving room which seats 150. There are uniformed parters and waiters, and a very complete table service. Every person has on individual ME water bothe from the refrigerator. The second floor and third you fain approximately fifty rooms, of which sbout Awo- Shirds have private bath. There is running water in every room, and hot bath on shower available. The fourth floor is a single room about sinty feet aquare, and open on all sides. It is practically a roof garden, and it gives a fine view of the sity. I felt a little sick after dinner, perhaps had a little fever, so I went to bed immediately. Sidn't skeep well, in spite of the Simmons Matress. I was too fired to sample the hot

1X-4-35

Felt befor this morning but decided to restall day. Found this a rather firing occupation! There are no American magazines or papers in four, and only one or five ractios. (Samm this pen!) Its hard to get along at meals without speaking some spanish. At breakfast I managed to get fruit-juice and scrambled eggs, but had to durn down to beef steak, etc. For lunch they wished to give me a five source dinner, but I managed to keep down to soup, whichen, and orange juice. In &M. went walking As see the fown. Passed the church and climbed up the hill to the radio station where there is a good view. Then I same back and wrote letters, and notes. about three oilors I met in the lobby Mr. Haines who had been at the total Sans Souci last week. He rement bered me and we talked a while He drove over on Sunday too, started at four vilock. Had frouble on the way and I must have passed him as he reached S.D. later than I. It was nice to meet another Umerican. He Salks a little fig, but is pleasant anyway. hellerk fook me oner to get a ropy of a mop issued by a local Arbacco company. It covers the Rep. and seems very good.

Dworke masher letter to Ruth, Am told shot, I ar Mail gaes from here to Santo Romingo every day, It is a brand new service, Ofter dinner Mr. Haines suggested we go to a movie. It was in Spanish on a small screen, and rather string, I got to bed about sen silock and slept fairly well. Everyone uses mosquito bars here in the hotel, but they don't tuck in so I'm sure any masquito wouldn't be booked. I However, the nights are look and I haven't been hothered at all.

1X-5-35 Rode along the road to Porto Plata to

nothing.

Harion 32.

10 miles north of Sankings de las Cafalleras on the road to Pso. Plata. Just into the mountains of the Leave Cordillera Seden Irional. The region is pretty well-welling that I climbed a ridge that was wild. Tried sweeping and bearing but got practically A nothing. In a rotten franch stump on a large tree found of hree Hopks and seneral small myriapods. The large myriapod was on the ground under another free. In exercment found, two or three flaps and one large,

white sailed lanthon. Turns dung yielded

after hunch rode out to Station 33. 3 miles west of Santiago on road to that Carre pastere, yan field & fanance. A In low dung found quite a few Staphs, a few Histerids, and several Sphaeridins. Under dry piles a Tetracha was rommon, and also a half-inch Carabid. I was interrupted several times by men coming sup to see what I was doing. I showed them the brilliant letrachas and then theyd leave. Finally the whole bunch same back, tather two sons, and two others. One of the sons spoke a little English. He said it was Sheir pasture, and said they had some sort B of bug in their potatoes. Iwent oner and sky dug up some yams that were heavily inferted with a little black and red weevil. d got a mee series of lawar, pupar + imagas. c then they dug up a fine lig tarantula. They were very much afraid of it and didn't want me to approach it. I put my host Soe on it and then eased it into a gar. It fells it predy completely. Brought the Sellow back into sown. Le wants me to Sake a trip with him later. They also got

me a vial full of fiels from one of the rows. He said they sause " tropical fever."

Had supper again with Mr. Haines, and a ferwards we walked up to the plane and listened

to a mediocre band until nearly ten oilock.

It was evidently being broadiast, though over

what studion we realdn't guess. The intermissions were as long as the selections. A

small key cranked a small magneto to signal

the studio before each piece.

11-6-35

Left at 730 on road to Junico. This was the bestroad Ine been on (for fine miles!)
Station 34.

Along road near foron of Janico, about 15 miles southwest of Sansiago. Along theridges of an old plateau or peneplain, disserted into a veritable badlands. Lung and flying. Collected only in horse manuse. Found many of the white failed linkhon, a few lereyons, and some I taphs, more species than usual. On the way home I had a flat fire-rear. I couldn't lift the motor onto the stand, so I called to a man in a near-by field. I talk him I couldn't speak Spanish, but he understood "motorcycleta" and a pantomine that I

needed help to lift it. He came obligingly

and together we just managed. It only took me about fen minutes then to switch the spare wheelin place. I got hack to town in time to mend the fire myself. It was a had beineture and I'm not very sure of my repair. I hope it is OK. (Nowwit!) Mr. Haines received his long- awaited radiogram and left immediately. He book the blanket back to Mh. Barnes for me and said hed dell Ruth that I am Ok. It will be much more lonesome here without him. In afternoon I wrote Ruth, walked around the remetery, bought some alrohal from the man who says he corresponds with the Vhiladelphia Museum, and cut my former maprints strips and hinged them with adhering tape. the semperature here is very queer. In The shade it is quite root all day and not even very hot in the sun. around seven it gets cooler still but by ben or eleven PM is begins to warm up. I was quite rook in a wat last night at seven, but a libble warm in hed at few-thirty. The warmest part of the day seems to be from sin to see eight in the morning. apparently the rainy season hasn't started here us it

was supposed to have in Santi Lamingo. allow swowelks age was their first rain in sin months. There are quite a few clouds every day, but usually morain. Lince due been here it sprinkled only once, this woon. This fown is full of shoe-shine hays. Theire the most conspicuous thing in four, - ofter the buses, I think they must shine each others shoes for a living, as they don't seem to do a rushing business and there seldon are any Aourists. I was amazed to see a regular Fifth avenue double-decker hus go by the hatel. It was shortly followed by a swell specimen of the double-ended roashes, and laker by several smaller new huses. I find that they are brand new and not over likely to remain so shing very long. On the other hand they've made the Arineis responseble for all scratches, etc., and that. should make a difference. They wertainly seem out of place in this fown where one would foresee no need for any kind of untra- usly transportation. Spent the evening as best I well and went, to bed lasty, - 9 o'clock. A lake drinner helps tomake the longome evenings shorter

Mp at 6 15 and got away at 7. Took the parement toward Mora, intending to hum off to the north to Bena, where they find considerable quantities of low grade amber. Imissed the road and continued to Mora and Then to Salcedo and nearly to fan Transisco de Macoris. Was surprised dofind I had your around forty miles. The roads were lined with people young to market, I didn't see a single place to collect and there were no roads secring off boward the mountains. all the way the roads are lived with fineapples. They are more abundant here than anywhere weine bean. This region has more palmo and trees than most parts of daili. Any frees are scarce in the latter but here there are some fine hig ones, and wood is so plentiful that they make fences of it. They put repright energy sine ar eight feet, then stack poles up between the pairs of uprights. Amustronsiderable time, but that is and ther thing that seems to be abundant here. mestriking thing about the people is their megno of atracting another attention. They don't each ar whistle or say they, but invariably his. Even up here on the

fourth floor of the hatel I can hear them on the street messantly. It is a little annoying at fines as they doit so much. It is impossible to ignore them when they are trying to get your attention. There are a large number of very mice looking people here, even in the samely, which is much more than can be said for Haiti. I think that the whole standard of living is higher too. There are some very fine looking homes here, and It's lomings has some very nice residential districts. There are great preparations going on here at the hatel for the tourists that are to arrive sonight. There is to be a dinnerdance at 8, but I think Ill lat ahead of Shem. I have no clother and I don't like to wait that long anyway. Besides as Mr. Hamis remarked the bourses would be in derested in me and therefore In not likely So he interested in them. I hope theyre a decent bunch and not rowdies. Each large bown I've passed has a large plage salar the church or in the renter of town. This is well supplied with large concrete benches, upon lach of which is usualed

some such legend as In Memory of John Dae June 10, 1904. It seems to be a regular method of commemoration. Some of them appear to be merely donofed by someone. during his lifetime. That is, theire not memorials but I philanthropies, so to speak.

In afternoon rode out on road to Monke Christi.

Station 35

Chant 5 miles northwest of fundiago on road to Mte. Christi (Carretera Quarke), a moderate sized stream in deep cut.

A Searched for Staphs under rocks along edge of water, throwing water onto the hank but only found one (another escaped!). A few specimens of a 's mich Carakid showed up, but there seemed to be nothing plantifully. In B dung on the sand I found one I phaeridiin only.

Three or four Cicindela were Schen on the sand. Nowhere in the vicinity would I find any thing else under dung. Alo Stophs, - no fearals. Os Dearne into the hotel, beneath the lack step I found one of the nice Cerambycids which

I found on the main reaircase the eneming

darrined here.

1X-8-35 Left shortly after 7 & M. for Puerto Plata by she same road as taken on morning of 1x-5-35.
Stopped once to callect in dung at Station 36.

10 miles south east of Puerts Tlata at point where road emerges from mountains into roastal plain. Rungonly, Found the usual white tailed Canthon in abundance, a smaller species of same, a ronsiderable number of Staphs, and several Cercyon. This was the farthest boint I reached. The road is good. In places it is surfaced with rock rolledin, but even this is be there than wash-board! This rountey does not seem to receive heavy rainfull, though in places there was a very rank undertrush. On the way out I had spoted a log with fungion it, and I stopped on the way back.

Station 37.

3 miles north of Sankiago on road to Puerto Plata. A dead uprooted stump hyroadside. The little white shelf-fungi yielded some of the 1/3 mm, beetles, and then a fresher piece was full of Staphs. One larger beetle which I didn't get a good look at was too quick for me and got away.

Lot back to the hotel just in dime for hunch. as the weather is threatening I and I ran Shrough a shower on the bass, I decided Lostay in this afternoon. Drew the outline map of the D. R. on page 135, by using the lasitude und longistude lines on my large mak. The fire shat Irepaired she other day the spure naw) is flot again, somy repair was no good. Ill have it done over before 2 start hack. this facon is plastered all oner with little metal signs shat read: Viva Trujello, Todo por Irujello, and dies y Trufillo. land you imagine a presidential eumpaign in the states with pasters: Hoorah for Roosevelt, All for Rossenelt, or Zod and Rossenelt !!! There was is short band concert in the park at five oclock. They always begin and end with she national anthem. The policeman at the corner stands saluting and all approaching Haffie stops. Two soldiers riding in a bus jumped out and stood at saluke, then filed tack in and went. Everyone in the park stands up instantly at the first chord. I went again after supper, as much to watch the people as hear the music, but stayed only Tillnine and then went to bed.

woke up at sin.

1X-9-35

This sirthday. I wrote her kirthday letter seneral days ugo, und jett her present with Mr. Barnes. Hwasa package of stamps. Left at 730 A.M. for San Jose de las Mustas, and the I road from there to San Juan. Urrined at the former and found it to be similar to Janies, s set in the fast hills a short distance from the Fran Cordillera Central. Could find no frace of the other road, so had to some hack. lattected only in dung at Station 38. Mear San Jose de las Maras along road southwest of Sankiago (20 miles s. w. of Sankiago). Lung. Tound less of the landhons but two of the smaller species. Haphsmore slundant than usual. Spent the afternoon with a siesta, writing letters and notes, and inquiring about roads from the clerk. The one to fan Juan has not been sompleted yet, working from other end. Is Kinner book less sime than usual Shough Freemed foeat more. I sat in the tolky Sell eight, and went to hed very early, and felt sleepy. However, I tossed shout

Lell fen at least. Slept pre ty well und

Station 39.
Sandiago de los Caballeros, province de Sandiago,
Republica lominicana.
Two Cerambycids flying in hokel. Also one
Scarat faund dead on the select.
This morning took road to Moca, then furned

off to left on road to Jamao. This road is in nery bad sondition. It was ariginally based with gravel and was reasonably well graded. Went nearly to top of pass.

Station 40.

About 10 miles northeast of Moca on the road to Jamao. Sweeping and dung.

Tried, sweeping here along the road and

Ang was searce and specimens in it even more so. Tinally got two of the white-failed Canthon, seneral Aphodius, two Cerceyon,

This completes my collecting in this region. It has given book results, and I'm afraid the reason is that I dichit go about it right. It is very difficult to get around here with out speaking a little Spunish. I can barely

ask my way about and am unable to

inquire for triels or side roads.

TX-11-35 Wednesday. Lat started on peturn strip to Sto. lomings at 8:30. Came through without inadenterstil fine miles from town when Iranout of gas. After getting a can full som a fruck, Iran out again about two miles forther, Pushed the motor about three scilometers and then hailed a ger from the amation field. He sowed me to the felling station. fluined at Senior House about 130. Spent aftermoon and eneming reading old Tiker ties. The political predictions are interesting. Momailateither Tegation or Consulate.

TX-12-35 Lat a much-needed haircut for 20 rents! Whent to office of Lyke's Line Swice, to find out when Ruthi Kaat arrives. Synday morn ing early. Tell let me know laker. Tried to order a white suit but Sailor was out. Tound another blueprint map which had ken sent here for me from Toreign Office by Manimo L. Vasquez, Sub- herrestario de Estado de Relaciones Enteriores. Mr. Gantenkein of Legition lent me acopy of a book on the geology of the V.D. by Woodring, Mughen, etc. Spent she day thistly reading and sitting around. It seems like a long sime Sell Sunday marning.

Friday. Went to Legation, where Mr. Landenbein found out for me that the only toats railing nentrueek (3 different lines) go on Trues day, So Lasked him to get our permits to leave on The Bull Line hoat on that day. Went to see Mr. W. E. Pulliam, General Receiver of Curstons, and presentedmy letter from Powe. De gane me a memo to the inspector that loards the boat and I took it to the Aduano, Pullian has a home in California, and once had unki. thous to go to Han ord. Who mail still. Was told of a collection of insects belonging to, a Mr. Kennison, having an office next to the Consulate, should talk with, him. Several people have recommended the roun-My west of Ta Vega, near town of Jarakacoa. Said to be one of the wildest parts of the wand, with rank vegetation, and a passable road from Tallega. Dr. Gomez Manor, Rept. of Agriculture, Public Works, Blog. S. D. was recommended for information ion arning collecting wonditions. The following summary is based on the introduction of a Geol Reconnaissance of the Kom. Rep. by Vaughan, looke, Condit, Rass, Wood ring, Colkins Meximum depth between d. P. and Puerto Vico

is 318 fathoms or about 1900 feet, while between Hajki and luba it is about 6000 feet. The island may be divided into northern part (greater part of the island) and santhern fort (s.w. peninsula and area s. of Enriquello Bosin. Athird part is the plains of Seite and Bani in the s. e. Topographic divisions are Cordillera Septentrional, Samana Veninsula, Cibao Valley, Cordillara Central, Valley of San Juan, Azua Plain, herra de Neiba, Sierra de Martin Larcia, Enriquillo Bosin, Sierra de Vahormo, southern peninsula, and the wastal plain. The lord Septent is about 125 miles long, altitudes up to 4200 feet. The Samona Pen is about 30 miles long, a wass of fairly rugged but not high mountains. The libao V. entends 140 miles from Mite. Custi to Samana Bay, east part well watered, but west part more arid. The ford. Central extends from extreme east to the n. mits of Hairs: , het of San Juan is 50 miles long, water plentiful. Quallain concred with eachers and misquite. Sierra de Meio a Hains elw. of nearly 4500 feet, whiefly limestone ridges, S. de M. Varia similar to last. Enriquillo Basin is recent ocean hotom with word, etc. Sierra de Bahormo are continuation of santhern range of Haiti, reaching about 6000 ft. So. Penin. has heavier rainfall than most other parts, and is Shickly wooded. The toostal Pl., in east contains en-

densive forest and savannohs; sugar cane is most important irop. Lunch this moon was practically ineditele. We had spaghedi and pig's kridneys, and eggs scrampled with frams! Hoone ate any and nothing else was falked of all afternoon. It five The Col. Lewis drove us down fown to see The Museo Macional. Party included Mrs. Lewis, Mr. Owen, and me, but we met Mh. Eversson on Theway and briked himsely. Went to get some Shing to dink and had a swell orongeade. It was practically an emulsion, being shaken ina miner. Others had beer or rum punch. kinner was much bester, and avocados very nice, brone and along road eastward, past San Isidro, planning to take road through Suerra and Bayagnana, Found it in too factor conclision after last nights heavy rajn, so came back and continued east. Surning off on road to Boca Chiea. Vicinity of Boca Chica, about 22 miles east of lando Domingo. Tasture on weal terrace. Indung found quite a few Searales but only

a few Staphs. Two fine spiders in one wek.

it had rained hard here and along most of the road since I fest. Illore rains after Kunch, so I read some more of last years Libertys! Mereisn't any wind here so perhaps the Geneviene Lykes SS, which Ruth is wining from fact an-Prince, well have a smooth frip, Tam won't bother anyone. 1X-15-35 Up at 5:30 to meet Vouth's boat. Was on my way down by 600 but feared I might be late, so I sook a Auni. The boat, - Leneviene Lykes, Sinally docked at 700. I went abourd and Rush introduced me to the laptain and the Awp or three other passengers. Mr. Feeley, The Customs Inspector was there, I mistack him for IM. Vulliam, but he chidned say anything. Meinmigration officers dignitenen ask to see our passport and She liptoms was as eday, - thanks to Mr. Feeley. We took a tane and sent the brunk

exc. by cart. Iwas very hungry, but

breakfast. Skent the marning unbacking

and talking. After bunch the Manfeur

same to ask if we wanted to make the trip

Weeth was not, but we were in sime for

Weather was setting in for an all-day rain,

so I furned homeword about eleven. Found

So Seito. On Wednesday I had told the kay at She lonsulate so send achauffeur on Sunday. He had some Wed. afternoon and I had told him So come back Sunday. Tuth felt like going. so we sold him to be here at 9 s.M. for any alt day Arip. U few minutes laker another driver same in and proved to be the one that had some on Wednesday. He was the one we intended to go with, some sold him so some at 9 alog. He arrived to first in The morning. The supper the Lewis's innited us to town for some ice cream. It was fairly good westard. at 9 S.M. She chauffeur arrived, but Touth didn't feel like going. The first one was

1X-16-35

nery nice and would accept no sip. The other made out that he had spent money on gas and ail and we would have to go. After much argument I went down to the longer late and he met me there. We finally set that the matter by hiring kin to chine us four hours in the afternson for 5 dollars. We went to all three of the steams hip some familes to the source life and ligation, and

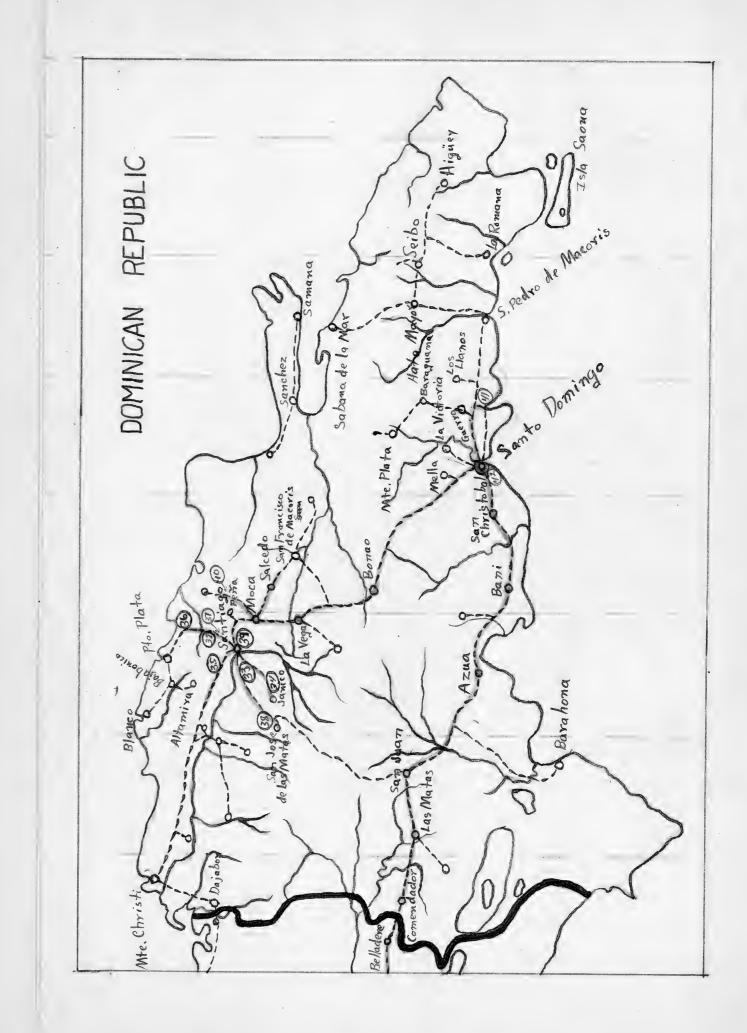
saw some of the city herides. The Bull

Line wast latherine, on which our fermit

Townson in the 27.

say we are leaving, goes first to Barahona, reaching San Juan Thursday morning. The Cuba leanes at 7 AM on Tuesday and dissines in San Juan Wednesday morning. We dichit have sime to have our permits changed as the offices flore at noon, Lowever, the Porto Paco line ss. Coamo leanes at 5 P.M. and arrives at San Juan at Ton Wednesday; So we madereservations on that, and then Harted packing.

1X-17-35 Went Lown early to get my permit changed. It took only about lifteen minutes. Then Imade arrangements with the S.S. Co. for the motorcycle, and went to Mr. Pulliam to see about leaving forwarding nistruc-Lous for the package from Harry Joon Co. be gave me a nate to telly and I finally eff authority with the american Consul. Then had to pack the motorcycle in a rush, and ride it down to the dock before bunch. They harged me \$19.50 for it, while The rigular auto rate is \$20.00. The Captain of the luba said he would take it for \$5.00! We sook a face to the pier at 3 o'clock, and rought the Toilock launch. arough Srip out but we weathered it O.K.



animals

good rized hoat, depending on passengers more than in breight. The food was encellent. The last of tation in Santo kimmings is Station 12. 57 Avenida Bafivar, Santo Komingo, R.D. Flying to the light at night. a large Derie of a brown searas, and several Enternas Pyrophorus, and some small things. Feel as if I have missed most of the Romi. mian Republic. Ment sime I will know where to go and how. It is not easy Loget about and large areas are not attractive because of their dryness and desert regetation. I was treated with The greatest coursely by all officials, and was cordially expected wherever I went. Must of the insects I have daken here have. been in dring. Very little was taken by sweeping or beaking, and Jungus was

rare. This latter was probably partly sue

mountains much, where they are said

to the fact that I didn't get into the

Le he more abundant.

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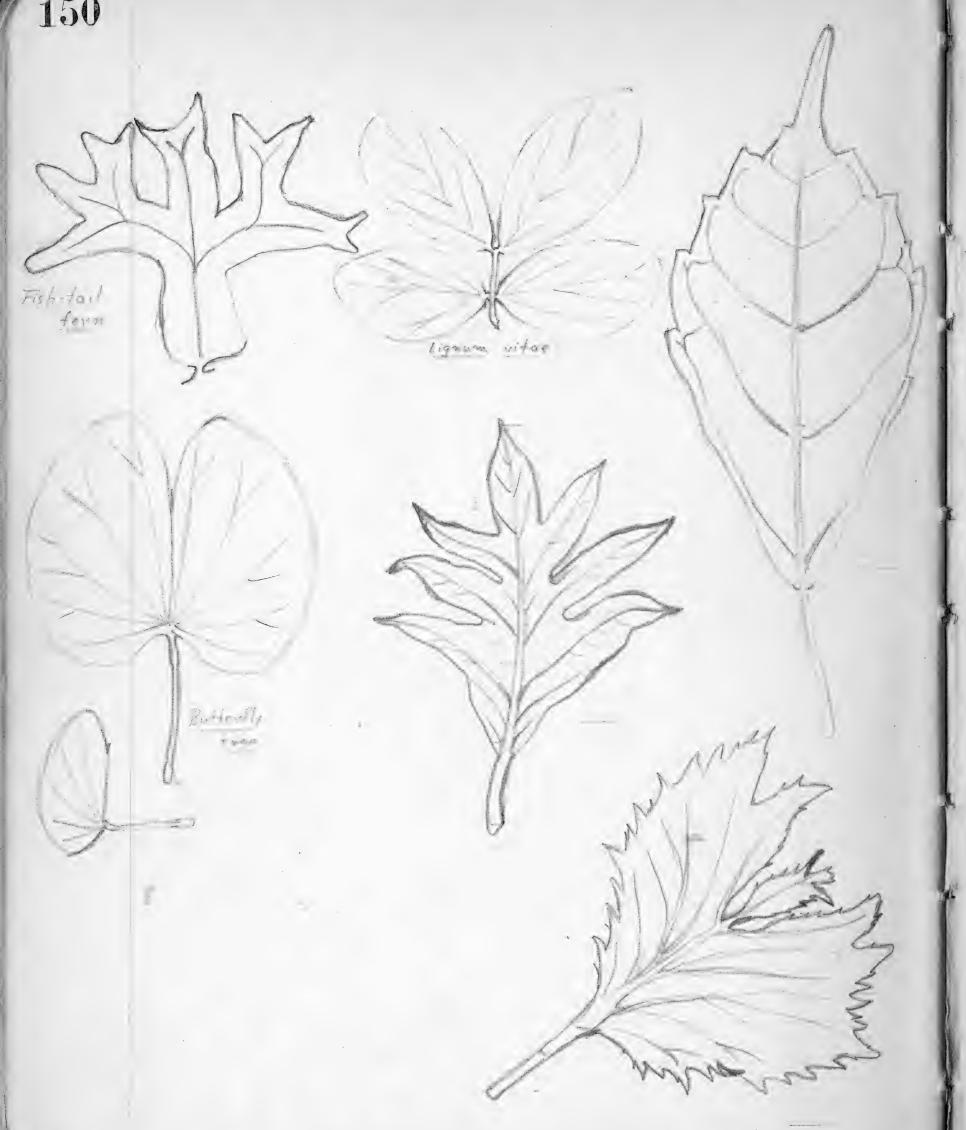
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